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ACCOUNTS AND PAPERS:

FORTY-FOUR VOLUMES.

—(6.)—

NAVY ACCOUNTS

(SHIPBUILDING AND DOCKYARD TRANSACTIONS);

ADMIRALTY TRIALS OF COAL.

Session

8 February — 15 August 1876.

VOL. XLVII.

1876.

ACCOUNTS AND PAPERS:

FOR THE YEAR

—(6)—

NAVY ACCOUNTS

(SHIPPING AND DOCKYARD TRANSACTIONS):

ADMINISTRATIVE STATE OF COAL

Session

8 February — 15 August 1876

VOL. XLVII.

1876

ACCOUNTS AND PAPERS:

1876.

FORTY-FOUR VOLUMES:—CONTENTS OF THE

SIXTH VOLUME.

N. B.—*THE* Figures at the beginning of the line, correspond with the N° at the foot of each Paper; and the Figures at the end of the line, refer to the MS. Paging of the Volumes arranged for The House of Commons.

NAVY ACCOUNTS (SHIPBUILDING AND DOCKYARD TRANSACTIONS, 1874-75):

- ✓181. Return of Balance Sheet and Detailed Accounts of Shipbuilding and other Dockyard Transactions in the Financial Year 1874-5; showing for each of the Yards, &c., the Amount Paid out of the Votes for Dockyard Services, as per Statement of Surpluses and Deficits; and its Appropriation to the Building, Completion, and Maintenance of Her Majesty's Ships; together with the Accounts showing also the Value of Lands and Buildings, and Stock of Timber and Stores at the Beginning and End of the Year, and the Amounts Received and Expended in connection with other Services than those provided for in the Dockyard Votes - - - - - p. 1

ADMIRALTY TRIALS OF COAL:

- ✓280. Return of all Trials of Coal recently made by the Admiralty - 713

NAVY ACCOUNTS
(SHIPBUILDING AND DOCKYARD TRANSACTIONS, 1874-5).

RETURN to an Order of the Honourable The House of Commons,
dated 10 April 1876;—for,

RETURN “of BALANCE SHEET and DETAILED ACCOUNTS of SHIPBUILDING and other DOCKYARD TRANSACTIONS in the Financial Year 1874-5; showing for each of the HOME DOCKYARDS, and for the FOREIGN YARDS, &c, the Amount Paid out of the VOTES for DOCKYARD SERVICES, as per Statement of Surpluses and Deficits, and its Appropriation to the Building, Completion, and Maintenance of HER MAJESTY’S SHIPS; together with the ACCOUNTS showing also the Value of Lands and Buildings, and Stock of Timber and Stores at the Beginning and End of the Year in the Home Yards and those Foreign Yards from which Expense Accounts have been Received, and the Amounts Received and Expended in connection with other Services than those provided for in the Dockyard Votes (prepared, as far as practicable, in pursuance of the Recommendation of the Select Committee on Admiralty Moneys and Accounts of the 27th day of July 1868).”

Admiralty, }
10 April 1876. }

THOS. WOLLEY,
Chief Clerk.

*
(*Mr. Algernon Egerton.*)

Ordered, by The House of Commons, to be Printed,
10 April 1876.

NAVAL ACCOUNTS.

DIVISION 1.

NAVAL YARDS.

PART I.—SHIPS.

CONTENTS.

Report of the Accountant General of the Navy and Comptroller of Navy Pay, dated 10th April 1876	-	-	-	Pa
General Statement, showing—				
1st. The Total Amounts Granted, and the Total Amounts Expended for the Navy under each Vote, for each Yard as they appear in the published Retabulation of the Statement of Surpluses and Deficits on the Navy Grants, No. 183, of Session 1876	-	-	-	-
2nd. As apportioned to each Yard	-	-	-	2 a
Annual Balance Sheet of Ship Building and other Dockyard Transactions in the Financial Year 1874-75	-	-	-	-
Alphabetical Index of Her Majesty's Ships on which Expenses have been incurred in Building, Converting, Repairing, Fitting, &c., during the Financial Year 1874-75	-	-	-	1

DOCKYARDS.	Statement Cancelling Navy Estimates and Expense Accounts.	BALANCE SHEETS AND DETAILED ACCOUNTS.											Page.
		No. 1. Annual Balance Sheet.	No. 2. Income Account.	No. 3. Capital Account.	No. 4. Ships Account.	No. 5. Incidental Charge.	No. 6. National Charges.	No. 7. De- preciation and Apprecia- tion Account.	No. 8. Other than Dockyard Services.	No. 9. Conver- sions.	No. 10. Other Yards.	No. 11. Balance Account.	
		Page.	Page.	Page.	Page.	Page.	Page.	Page.	Page.	Page.	Page.	Page.	
Deptford-	-	86	88	90	94	95	102	106	108	109	111	113	114
Chatham-	-	116	118	120	124	125	158	162	164	165	167	169	170
Sheerness	-	231	176	178	182	183	214	222	224	225	227	229	230
Portsmouth	-	234	236	238	242	243	328	332	334	335	337	339	340
Devonport	-	348	350	352	356	357	412	416	418	419	421	423	424
Pembroke	-	428	430	432	436	437	444	448	450	451	453	455	456
Rothesay	-	458	460	462	466	467	473	475	477	478	-	480	481
Foreign Yards	-	484	486	488	492	493	614	618	620	621	623	624	625

Account of Expenses for Ship Building, &c., other than those incurred at Her Majesty's Dockyards	-	-	-	-	Pa
Account of the Value of Stores issued from one Ship to another and brought to account during the Financial Year 1874-75	-	-	-	-	62
Value of Land, also Buildings, including Slips, Basins, Storehouses, &c., and Manufacturing Shops; also Value of Plant (Machinery) on the 21st March 1874 and 20th March 1875	-	-	-	-	66
Detailed Statement showing the Value of the Stock of Timber and Stores at the beginning and end of the Year in the Dockyards at Home, and in those Naval Yards Abroad from which Expense Accounts have been received	-	-	-	-	67
Detailed Statement of Expenditure charged at the respective Dockyards, and at other than Her Majesty's Dockyards, to Vote 10, Section 2, for Experimental Purposes, in the Year 1874-75	-	-	-	-	69
Incidental, Establishment, and National Charges, and Depreciation and Appreciation of Stock at the Home and Foreign Yards, shown in detail	-	-	-	-	69
APPENDIX:—					
Detailed Statement showing the Amounts brought to account between the 1st April 1874 and the 31st March 1875, for Her Majesty's Ships and Vessels sold, together with the Amounts realised by the Sale of Materials taken from Ships Broken up	-	-	-	-	70

NAVAL ACCOUNTS.

DIVISION I.—NAVAL YARDS.

PART I.—SHIPS.

REPORT of the ACCOUNTANT GENERAL OF THE NAVY and COMPTROLLER
OF NAVY PAY.

PARLIAMENTARY ACCOUNT, 1874-75.

(No. 686.)

Admiralty, S.W.,

10 April 1876.

1. I BEG to forward herewith Accounts of Dockyard Shipbuilding, &c., Transactions for the Financial Year 1874-75, prepared as far as possible in conformity with the Recommendations of the Select Committee of 1868 on Admiralty Moneys and Accounts.

2. The Incidental Charges are distributed rateably over the several Sub-heads of Expenditure on Ships and Vessels, and over Expenses incurred on account of "Other Branches of the Naval Service," "Other Departments of Government," Foreign Governments, Private Individuals, &c.

H. WALKER,

Accountant General of the Navy, and
Comptroller of Navy Pay.

The Secretary of the Admiralty.

GENERAL STATEMENT

SHOWING

The Total Amounts Granted and the Total Amounts Expended for the NAVY under each Vote for each Yard, as they appear in the published RETABULATION of the STATEMENT of the SURPLUSES and DEFICITS on the NAVY GRANTS, No. 183, of Session 1876.

DIVISION 1.

GENERAL STATEMENT, Showing the Total A

DIVISION 1.—NAVAL YARDS, As abstracted from the RETABULATION of the STATEMENT of the SURPLUSES and DEFICITS, 1874-75, No. 183, of Session 1876.		DIVISION 1.		Number of Vote.	
Number of Vote.	TITLE OF VOTE.	Expenditure.	Grant.		
6	DOCKYARDS AND NAVAL YARDS AT HOME AND ABROAD - - - - - }	14 £. 1,253,610	14 £. 1,253,326	6	1
10	NAVAL STORES FOR THE BUILDING, REPAIR, AND OUTFIT OF THE FLEET AND COAST GUARD, STEAM MACHINERY, AND SHIPS BUILT BY CONTRACT:				
	SECT. I.—NAVAL STORES - - - - - }	14 1,378,383	14 1,175,159	10 Sect. I.	1
	SECT. II.—STEAM MACHINERY AND SHIPS BUILT BY CONTRACT - - - - - }	14 823,657	14 823,679	10 Sect. II.	1
11	NEW WORKS, BUILDINGS, MACHINERY, AND REPAIRS - - - - - }	14 502,671	14 579,209	11	1
	TOTAL VOTES, 6, 10, AND 11 - - -	14 3,958,321	14 3,836,373	-	1
16	SECT. II.—CIVIL PENSIONS AND ALLOWANCES -	14 167,125	14 162,899	16 Sect. II.	-
	£.	4,125,446	14 3,999,272	-	-

** To meet the Estimated Current Charge for Deferred Annuities, equal to 7 per cent. on the Salaries to Dockyard officers.
In the Retabulation of the Statement of the Surpluses and Deficits, the whole amount against Vote 16, Sect. II., charged.

† The Amounts inserted in the "Grant" Columns for the several Yards are the same as the calculated Expenditure.

Supplementary Estimates are included in the amounts appearing in the "Grant" column.

NAVAL YARDS.

mounts Granted and the Total Amounts Expended for the NAVY under each VOTE for

SUB-DIVISIONS OF DIVISION 1.

DEPTFORD.			CHATHAM.			SHEERNESS.			PORTSMOUTH.							
Expenditure.		Grant.	Expenditure.		Grant.	Expenditure.		Grant.	Expenditure.		Grant.					
and Deficits.	£.	Page in Retabulation of Navy Surpluses and Deficits.	£.	Page in Retabulation of Navy Surpluses and Deficits.	£.	Page in Retabulation of Navy Surpluses and Deficits.	£.	Page in Retabulation of Navy Surpluses and Deficits.	£.	Page in Retabulation of Navy Surpluses and Deficits.	£.					
4	6,858	14	6,777	14	234,140	14	234,768	14	131,429	14	132,174	14	358,048	14	362,551	1
4	80,835	14	144,900	14	320,856	14	281,150	14	62,379	14	67,850	14	305,910	14	274,400	2
1	-	14	-	14	107,592	14	94,980	14	25,627	14	24,176	14	73,347	14	80,325	3
	119	14	-	14	107,686	14	114,625	14	13,196	14	19,804	14	262,736	14	315,577	4
	87,812	14	151,677	14	770,274	14	725,523	14	232,631	14	244,004	14	1,000,041	14	1,032,853	5
	** 449	-	† 449	-	** 7,920	-	† 7,920	-	** 4,942	-	† 4,942	-	** 10,154	-	† 10,154	6
	88,261	-	152,126	-	778,194	-	733,443	-	237,573	-	248,946	-	1,010,195	-	1,043,007	7

s, and on the Total Wages paid in the year to Established Workmen at each Yard, on account of the prospect of pensions on their able to Division 1, "Naval Yards," is shown under Column "Other than Dockyards." In this Statement, however, the Amount

- - - - - DIVISION 1.—NAVAL

each Yard, as they appear in the published RETABULATION of the STATEMENT of the SURPLUSE

- - - - - SUB-DIVISIONS OF DIVISION 1.

DEVONPORT and KEYHAM.				PEMBROKE.				HAULBOWLINE.				TOTAL HOME YARDS.				
Expenditure.		Grant.		Expenditure.		Grant.		Expenditure.		Grant.		Expenditure.		Grant.		
Page in Retabulation of Navy Surpluses and Deficits.	£.	Page in Retabulation of Navy Surpluses and Deficits.	£.	Page in Retabulation of Navy Surpluses and Deficits.	£.	Page in Retabulation of Navy Surpluses and Deficits.	£.	Page in Retabulation of Navy Surpluses and Deficits.	£.	Page in Retabulation of Navy Surpluses and Deficits.	£.	Page in Retabulation of Navy Surpluses and Deficits.	£.	Page in Retabulation of Navy Surpluses and Deficits.	£.	
1	15	299,206	15	301,241	15	107,566	15	107,703	15	849	15	927	15	1,138,096	15	1,146,141
2	15	253,671	15	205,800	15	128,009	15	92,059	15	2,724	15	6,300	15	1,154,384	15	1,072,459
3	15	41,981	15	41,273	15	29,200	15	46,400	15	-	-	15	-	277,747	15	287,154
4	15	37,896	15	41,235	15	14,784	15	12,877	15	21,078	15	22,330	15	460,495	15	526,448
5	15	632,754	15	589,549	15	279,559	15	259,039	15	27,651	15	29,557	15	3,030,722	15	3,032,202
6	-	** 10,229	-	† 10,229	-	** 4,260	-	† 4,260	-	** -	-	† -	-	** 37,954	-	† 37,954
7	-	642,983	-	599,778	-	283,819	-	263,299	-	27,651	-	29,557	-	3,068,676	-	3,070,156

retirement; see Paper from the Actuary of the National Debt, page viii* of Parliamentary Paper, No. 454, of Session 1867.
for each Yard has been calculated in accordance with the principle laid down by the Actuary of the National Debt, and the Balance only shown un

YARDS.

and DEFICITS on the NAVY GRANTS.

FOREIGN YARDS. (Naval Yard Abroad.)				OTHER THAN DOCK- YARDS, <i>i.e.</i> , Contract Ships and Sums for which Special Yards cannot now be stated.				GRAND TOTAL.			
Expenditure.		Grant.		Expenditure.		Grant.		Expenditure.		Grant.	
£.	Page in Retabulation of Navy Surpluses and Deficits.	£.	Page in Retabulation of Navy Surpluses and Deficits.	£.	Page in Retabulation of Navy Surpluses and Deficits.	£.	Page in Retabulation of Navy Surpluses and Deficits.	£.	Page in Retabulation of Navy Surpluses and Deficits.	£.	Page in Retabulation of Navy Surpluses and Deficits.
115,514	15	107,185	15	-	-	15	-	1,253,610	15	1,253,326	
86,279	15	30,000	15	137,720	15	72,700	15	1,378,383	15	1,175,159	
3,911	15	-	15	541,999	15	541,525	15	823,657	15	828,679	
42,176	15	52,761	15	-	-	15	-	502,671	15	579,209	
247,880	15	189,946	15	679,719	15	614,225	15	3,958,321	15	3,836,373	
** 2,553	-	† 2,553	-	126,618	-	122,392	15	167,125	15	162,899	
250,433	-	192,499	-	806,337	-	736,617	15	4,125,446	15	3,999,272	

der the Column "Other than Dockyards."

H. WALKER,
Accountant General of the Navy,
and Comptroller of Navy Pay.

No. 1.

EXPENSE ACCOUNTS.

ANNUAL BALANCE SHEET of SHIP-BUILDING and other DOCKYARD
TRANSACTIONS in Financial Year 1874-75.

ALPHABETICAL INDEX
OF
HER MAJESTY'S SHIPS
ON WHICH EXPENSES HAVE BEEN INCURRED IN
BUILDING, CONVERTING, REPAIRING, FITTING, &c.
DURING THE FINANCIAL YEAR
1874-75.

SHIPS BUILDING AND COMPLETING FOR SEA SERVICE.

No. 1.

Note.—The Figures printed in *Italics* in the Money Columns show the Amount of Net Credits for Stores, &c. returned.

NAME OF SHIP.	EXPENDITURE INCURRED DURING THE YEAR 1874-75.				REMARKS.										
	Periods within which the Expense was Incurred.		Dockyards at which the Expense has been Incurred.	Page of Detailed Abstract.											
	From	To				Value of Materials Issued.	Wages.	Payments to Contractors, &c., Made and Allowed at Admiralty.	Gross Total, excluding Incidental and Establish- ment Charges.	Value of Materials Returned.	Net Total, excluding Incidental and Establish- ment Charges.	Incidental and Establish- ment Charges.	Total Expense, inclusive of Incidental and Establish- ment Charges.		
IRON CLADS BUILT BY CONTRACT:															
Cyclops (S. Armour-plated Turret Ship).	4	250 (1,660)	2,107 (3,430)	6 April 1874	5 Feb. 1875	Devonport Other than H.M. Yards, Sec. 1.	358 630	£. 102 —	£. 1 —	£. — Cr. 32	£. 103 Cr. 32	£. 98 —	£. 5 32	£.	
Gorgon (S. Armour-plated Turret Ship).	4	250 (1,670)	2,107 (3,430)	2 April 1874	20 Mar. 1875	Devonport	358	43	166	—	209	116	93		
Hecate (S. Armour-plated Turret Ship).	4	250 (1,755)	2,107 (3,430)	6 April	20 Mar.	Devonport	358	330	1	—	331	105	226		
Hydra (S. Armour-plated Turret Ship).	4	250 (1,472)	2,107 (3,430)	23 Mar.	6 Feb.	Devonport	358	186	31	—	167	89	78		
Nelson (Iron Armour-plated Ship).	12	— (6,000)	— (7,323)	27 Oct.	31 Mar.	Other than H.M. Yards, Sec. 1.	630	—	—	16,310	16,310	—	16,310		
Northampton (Iron Armour-plated Ship).	12	— (6,000)	— (7,323)	27 Oct.	31 Mar.	Other than H.M. Yards, Sec. 1.	630	—	—	15,248	15,248	—	15,248		
TOTAL - - £.								611	199	31,526	32,336	408	31,928	157	32,085

IRON CLADS BUILT IN HER MAJESTY'S DOCKYARDS:

Alexandria (late "Superb") (Iron Armour-plated Ship).	12	— (5,000)	— (9,492)	{ 23 Mar. 1874 9 Nov. " 23 Mar. "	29 Mar. 1875 16 Jan. " 13 Mar. "	Chatham - Portsmouth - Other than H.M. Yards, Sec. 1.	126 244 630	111,409 26 —	58,749 33 —	37,920 — 133	208,078 59 133	4,713 37 —	208,365 22 133		
Devastation (S. Armour-plated Turret Ship).	4	800 (6,649)	4,407 (9,490)	23 Mar. "	3 Oct. 1874	Portsmouth	244	—	70	—	70	—	70		
Dreadnought ("late Fury") (Double Screw Iron Armour-plated Turret Ship).	4	1,000 (5,000)	5,030 (10,950)	{ 23 Mar. " 23 Mar. " 1 Mar. 1875 23 Mar. 1874 23 Mar. "	23 Jan. 1875 20 Mar. " 20 Mar. " 31 Mar. " 20 Mar. "	Chatham - Portsmouth - Devonport - Pembroke - Other than H.M. Yards, Sec. 1.	126 244 359 438 630	— 124 1 127,156 —	15 151 18 36,103 —	— — — 19,200 153	15 275 19 182,459 153	— 78 1 3,507 —	15 197 13 178,952 153		
Inflexible (Iron Armour-plated Turret Ship).	4	— (3,000)	— (14,465)	{ 23 Mar. 1874 23 Mar. " 23 Mar. "	20 Mar. 1875 20 Mar. " 20 Mar. "	Chatham - Portsmouth - Other than H.M. Yards, Sec. 1.	126 244 630	— 54,295 —	88 20,159 —	— 24,000 372	88 98,454 372	— 1,294 —	88 97,160 372		
Rupert (Double Screw Armour-plated Ram and Turret Ship).	4	700 (4,635)	3,159 (5,444)	23 Mar. " — —	13 Feb. " — —	Chatham - Portsmouth	126 244	2,038 —	1,044 5	700 —	3,782 5	81 —	3,701 5		
Shannon (Iron Armour-plated Ship).	9	— (3,500)	— (5,403)	{ 23 Mar. 1874 7 Dec. " 23 Mar. " 23 Mar. "	16 Jan. 1875 6 Mar. " 20 Mar. " 20 Mar. "	Chatham - Devonport - Pembroke - Other than H.M. Yards, Sec. 1.	127 359 438 630	— 270 79,903 —	53 9 42,287 —	— — 10,000 222	53 279 132,190 222	— 46 2,598 —	53 233 129,592 222		
Temeraire (Iron Armour-plated Ship).	8	— (7,000)	— (8,412)	{ 23 Mar. " 30 Mar. "	31 Mar. " 20 Mar. "	Chatham - Other than H.M. Yards, Sec. 1.	127 630	41,558 —	24,238 —	24,387 130	90,183 130	1,368 —	88,815 130		
Thunderer (Iron Armour-plated Turret Ship).	4	800 (5,600)	4,407 (9,490)	23 Mar. " 15 Mar. 1875	20 Mar. " 20 Mar. "	Portsmouth Pembroke	245 438	2,991 7	4,599 16	— —	7,590 23	673 —	6,917 23		
						TOTAL	— £.	419,778	187,637	117,217	724,632	14,396	710,236	110,329	820,565

No. 1.--SHIPS BUILDING AND COMPLETING FOR SEA SERVICE--continued.

NAME OF SHIP.	Number of Guns.	Horse Power.	Tonnage.	Periods within which the Expense was Incurred.		Dockyards at which the Expense has been Incurred.	EXPENDITURE INCURRED DURING THE YEAR 1874-75.							REMARKS.	
				From	To		Value of Materials Issued.	Wages.	Payments to Contractors, &c., Made and Allowed at Admiralty.	Gross Total, excluding Incidental and Establish- ment Charges.	Value of Materials Returned.	Net Total, excluding Incidental and Establish- ment Charges.	Incidental and Establish- ment Charges.		Total Expense, inclusive of Incidental and Establish- ment Charges.
NOT IRON CLAD:															
Active (S. Iron Corvette, cased with Wood).	10	600 (4,015)	2,322 (5,078)	19 Oct. 1874	31 Oct. 1874	Portsmouth	—	3	—	—	3	—	—	—	
Albatross (Composite Sloop).	4	120 (838)	727 (894)	23 Mar. " 5 Aug. "	5 Sept. " 11 Aug. "	Chatham - Other than H.M. Yards, Sec. 1.	12	16	—	—	28	32	4	—	
Ant (Iron Gunboat)	1	28 (215)	245 (254)	23 Mar. "	28 Nov. "	Portsmouth	44	18	—	—	62	3	50	—	
Arab (Composite Sloop)	3	— (570)	— (620)	22 Aug. " 23 Mar. " 20 April "	5 Sept. " 20 Mar. 1875 31 Mar. "	Chatham - Devonport - Other than H.M. Yards, Sec. 1.	20 2,494 —	1 342 —	— — 19,381	21 2,836 19,381	12 501 —	9 2,335 19,381	—	—	
Assistance (Troop Ship)	2	— (1,300)	— (2,037)	22 Feb. 1875 20 April 1874 23 Mar. "	8 Mar. " 20 Mar. " 30 Mar. "	Chatham - Portsmouth - Other than H.M. Yards, Sec. 1.	6 2,112 —	— 64 —	— — 25,515	6 2,176 25,515	— 15 —	6 2,161 25,515	—	—	
Bacchante (Frigate)	16	— (5,250)	— (9,932)	23 Mar. " 15 June "	20 Mar. " 20 Mar. "	Portsmouth - Other than H.M. Yards, Sec. 1.	13,734	12,447	25,400 57	51,581 57	1,392	50,189 57	—	—	
Boadicea (Frigate)	16	— (5,250)	— (4,027)	23 Mar. " 15 June "	11 April 1874 20 Mar. 1875 13 Oct. 1874	Chatham - Portsmouth - Other than H.M. Yards, Sec. 1.	— 16,614 —	4 14,289 —	— 6,800 2	4 37,703 2	— 2,971 —	4 34,732 2	—	—	
Contest (Composite Gun- boat).	4	— (515)	— (440)	On the 29th Jan. 1875 31 Mar. 1874 23 Mar. "	20 Mar. 1875 29 Mar. "	Devonport - Other than H.M. Yards, Sec. 1.	1 1,527 —	— 390 —	— — 6,387	1 1,917 6,387	— 464 —	1 1,453 6,387	—	—	
Cormorant (Composite Sloop).	6	— (900)	— (1,424)	19 Sept. "	25 Mar. "	Chatham -	—	66	2,380	2,446	—	2,446	—	—	
Cuckoo (Iron Gunboat)	1	28 (183)	245 (254)	23 Mar. "	28 Nov. 1874	Portsmouth	44	19	—	—	63	3	60	—	
Cygniet (Composite Gun- boat).	4	— (457)	— (440)	On the 6th Oct. 1874 6 April 1874 23 Mar. "	20 Mar. 1875 31 Mar. "	Devonport - Other than H.M. Yards, Sec. 1.	1 984 —	— 523 —	— — 4,505	1 1,507 4,505	— 96 —	1 1,411 4,505	—	—	
Daring (Composite Sloop)	4	120 (916)	727 (894)	9 April " 23 Mar. 1874	16 Jan. " 28 Dec. 1874	Chatham - Sheerness - Other than H.M. Yards, Sec. 1.	3,359 385 —	1,535 — —	— — 6,271	4,894 385 6,271	597 — —	4,297 385 6,271	—	—	

[illegible]

No. 1.—SHIPS BUILDING AND COMPLETING FOR SEA SERVICE—continued.

NAME OF SHIP.	Number of Guns.	Horse Power.	Tonnage.	Periods within which the Expense was Incurred.		Dockyards at which the Expense has been Incurred.	EXPENDITURE INCURRED DURING THE YEAR 1874-75.										REMARKS.
				From	To		Value of Materials Issued.	Wages.	Payments to Contractors, &c., Made and Allowed at Admiralty.	Gross Total, excluding Incidental and Establish- ment Charges.	Value of Materials Returned.	Net Total, excluding Incidental and Establish- ment Charges.	Incidental and Establish- ment Charges.	Total Expense, inclusive of Incidental and Establish- ment Charges.			
															£.	£.	
NOT IRON-CLAD—continued.																	
Osborne (Paddle Wheel Yacht).	-	450 (2,700)	1,536 (—)	24 Mar. 1874	20 Mar. 1875	Portsmouth	£. 9,125	£. 8,683	£. —	£. 17,808	£. 912	£. 16,896	£.				
Osprey (Composite Sloop)	6	(900)	(1,124)	15 Aug. " 19 Oct. "	31 Mar. " 30 Mar. "	Sheerness Other than H.M. Yards, Sec. 1.	3,598	433	2,300 17	6,331 17	804	5,527 17					
Pelican (Composite Sloop)	6	(900)	(1,124)	21 Dec. " 24 Aug. " 30 Sept. "	20 Feb. " 20 Mar. " 20 Mar. "	Chatham Devonport Other than H.M. Yards, Sec. 1.	— 2,477	2 926	— 17	2 3,403 17	— 409	2 2,994 17					
Penguin (Composite Sloop)	6	(900)	(1,124)	12 Sept. "	31 Mar. "	Other than H.M. Yards, Sec. 1.	—	—	11,111	11,111	—	11,111					
Pickle (Twin Screw Iron Gunboat).	1	28 (205)	245 (254)	23 Mar. "	18 April 1874	Portsmouth	—	3	—	3	—	3					
Pioneer (Composite Steam Vessel).	6	80 (589)	540 (499)	3 Aug. " 20 April " 21 Sept. " 23 Mar. "	5 Sept. " 16 Mar. 1875 26 Sept. 1874 31 Mar. 1875	Chatham Sheerness Devonport Other than H.M. Yards, Sec. 1.	1 198	1 66	— — 7,971	2 264 1	7	2 257 1 7,971					
Raleigh (Frigate)	22	300 (5,639)	3,215 (4,750)	23 Mar. " 24 Mar. "	3 Oct. 1874 25 April "	Chatham Sheerness	6,687 1	3,149 7	2,084	11,920 8	633	11,287 8					
Ready (Twin Screw Gun Vessel).	4	100 (891)	462 (592)	On the 15th April 1874	Chatham	Chatham	38	—	—	38	—	38					
Rifleman (Composite Gun Vessel).	4	100 (715)	462 (592)	On the 15th April 1874	Chatham	Chatham	38	—	—	38	—	38					
Rover (Corvette)	18	(4,750)	(3,494)	23 Mar. 1874 8 Oct. " 4 May " 23 Mar. "	20 Mar. 1875 17 Dec. 1874 15 Aug. " 30 Mar. 1875	Chatham Sheerness Portsmouth Other than H.M. Yards, Sec. 1.	4,214 592 1	854 — 2	— — 59,080	5,068 592 3	305	4,763 592 3 59,080					
Ruby (Composite Sloop)	14	(2,700)	(1,564)	On the 8th March 1875 1 July 1874 31 Mar. 1875	Chatham Other than H.M. Yards, Sec. 1.	Chatham	1	—	24,210	1	—	24,210					

Ship	Class	Displacement	Armament	Speed	Range	Endurance	Complement	Cost	Notes
Sapphire (Corvette)	14	350 (2,100)	23 Mar. 1874 27 June 1874 29 Mar. 1875 20 Mar. 1875	18 July 1874 27 June 1874 29 Mar. 1875 20 Mar. 1875	Chatham Portsmouth Devonport Other than H.M. Yards, Sec. 1.	130 247 361 633	1 16,624 11,787 —	13 3 43,911 113	— — 2,369 —
Sappho (Composite Sloop)	4	120 (796)	23 Mar. 1874 23 Mar. 1874 23 Mar. 1874	19 Dec. 1874 26 Nov. 1874 20 Mar. 1875	Chatham Other than H.M. Yards, Sec. 1.	130 634 —	2,847 — —	4,326 2,144 —	375 — —
Shah (late "Blonde") (Frigate)	26	1,000 (7,500)	23 Mar. 1874	20 Mar. 1875	Portsmouth	248	23,964	46,463	2,823
Sheldrue (S. Gunboat)	4	— (560)	20 Feb. 1875 4 Jan. 1874 20 July 1874 7 Aug. 1874	11 Mar. 1875 20 Mar. 1875 23 July 1874 30 Mar. 1875	Chatham Devonport Pembroke Other than H.M. Yards, Sec. 1.	130 361 439 634	46 527 — —	46 529 3 12,184	— — — —
Snap (Iron Gunboat)	1	28 (253)	23 Mar. 1874	18 April 1874	Portsmouth	248	—	2	—
Snipe (Coast Guard Cruiser)	—	—	25 Nov. 1874 17 Dec. 1874 14 Dec. 1874 28 Oct. 1874	4 Dec. 1874 6 Mar. 1875 19 Dec. 1874 25 Jan. 1875	Chatham Sheerness Portsmouth Other than H.M. Yards, Sec. 1.	130 185 248 634	69 17 5 —	69 28 5 572	— 1 — —
Steam Cutter, No. 22 (at- tached to "Fly")	—	24	31 Mar. 1874	14 Nov. 1874	Portsmouth	248	2	3	—
Steam Cutter, No. 23 (attached to "Flying Fish")	—	24	23 Mar. 1874	11 April 1874	Chatham	131	1	6	—
Steam Cutter, No. 25	—	4	13 April 1874	4 July 1874	Portsmouth	248	—	4	—
Steam Cutter, No. 26	—	24	31 Mar. 1874	8 Aug. 1874	Portsmouth	248	2	14	1
Steam Cutter, No. 30 (at- tached to "Sapphire")	—	3	22 Feb. 1875 23 Mar. 1874	20 Mar. 1875 5 Sept. 1874	Devonport Portsmouth	361 249	1 1	4 3	— —
Steam Cutter, No. 31 (at- tached to "Diadem")	—	3	23 Mar. 1874	10 Oct. 1874	Portsmouth	249	—	5	—
Steam Cutter, No. 32 (attached to "Adven- ture")	—	3	23 Mar. 1874	27 June 1874	Portsmouth	249	—	5	—
Steam Cutter, No. 33 (at- tached to "London")	—	2	8 June 1874	4 July 1874	Devonport	362	18	8	—
Steam Cutter, No. 34 (at- tached to "Druid")	—	24	20 April 1874 On the 8th June 1874	23 May 1874 On the 8th June 1874	Portsmouth Other than H.M. Yards, Sec. 1.	249 634	1 —	9 —	— —
Steam Cutter, No. 35	—	24	18 May 1874 20 July 1874 On the 27th July 1874	5 Sept. 1874 14 Nov. 1874 On the 27th July 1874	Portsmouth Devonport Other than H.M. Yards, Sec. 1.	249 362 634	— 3 —	9 14 47	— — —

No. 1.—SHIPS BUILDING AND COMPLETING FOR SEA SERVICE—continued.

NAME OF SHIP.	Number of Guns.	Horse Power.	Tonnage.	Periods within which the Expense was Incurred.		Dockyards at which the Expense has been Incurred.	Page of Detailed Abstract.	EXPENDITURE INCURRED DURING THE YEAR 1874-75.							REMARKS.	
				From	To			Value of Materials Issued.	Wages.	Payments to Contractors, &c., Made and Allowed at Admiralty.	Gross Total, excluding Incidental and Establish- ment Charges.	Value of Materials Returned.	Net Total, excluding Incidental and Establish- ment Charges.	Incidental and Establish- ment Charges.		Total Expense, inclusive of Incidental and Establish- ment Charges.
NOT IRON CLAD—continued.																
Steam Cutter, No. 36 (at- tached to "Vigilant").	-	2½	4½	18 May 1874	22 Aug. 1874	Portsmouth Other than H.M. Yards, Sec. 1.	249 634	£. 1 —	£. 11 —	£. — 170	£. 12 170	£. — —	£. 12 170	£. — —	£. — —	
Steam Cutter, No. 37 (attached to "Flying Fish").	-	2½	4½	22 June 1874	18 July 1874	Portsmouth Other than H.M. Yards, Sec. 1.	250 634	£. 1 —	£. 10 —	£. — 170	£. 11 170	£. — —	£. 11 170	£. — —	£. — —	
Steam Cutter, No. 38 (at- tached to "Dryad").	-	2½	4½	22 June 1874	5 Sept. 1874	Portsmouth	250	£. 1	£. 6	£. —	£. 7	£. —	£. 7	£. —	£. —	
				31 July	19 Sept. "	Devonport	362	£. 9	£. 11	£. 180	£. 20 180	£. 3	£. 17	£. 180	£. —	
Steam Cutter, No. 39 (at- tached to "Osborne").	-	3	6	13 July 1874	10 Oct. 1874	Portsmouth Other than H.M. Yards, Sec. 1.	250 634	£. 6 —	£. 20 —	£. — 600	£. 26 600	£. — —	£. 26 600	£. — —	£. — —	
Steam Cutter, No. 40 (at- tached to "Sappho").	-	2½	4½	7 Sept. 1874	17 Oct. 1874	Portsmouth Other than H.M. Yards, Sec. 1.	250 635	£. 2 —	£. 11 —	£. — 350	£. 13 350	£. — —	£. 13 350	£. — —	£. — —	
Steam Cutter, No. 41	-	2½	4½	14 Sept. 1874	14 Nov. 1874	Portsmouth	251	£. 2	£. 9	£. —	£. 11	£. —	£. 11	£. —	£. —	
				- On the 10th July 1874	-	Devonport	362	£. 1	£. —	£. —	£. 1	£. —	£. 1	£. —	£. —	
				- On the 30th October 1874	-	Other than H.M. Yards, Sec. 1.	635	£. —	£. —	£. 350	£. 350	£. —	£. 350	£. —	£. —	
Steam Cutter, No. 42 (at- tached to "Daring").	-	2½	4	14 Sept. 1874	7 Nov. 1874	Portsmouth	251	£. 2	£. 8	£. —	£. 10 350	£. —	£. 10 350	£. —	£. —	
				- On the 30th October 1874	-	Other than H.M. Yards, Sec. 1.	635	£. —	£. —	£. 350	£. 350	£. —	£. 350	£. —	£. —	
Steam Cutter, No. 43 (at- tached to "Nympha").	-	2½	4½	19 Oct. 1874	28 Nov. 1874	Portsmouth	251	£. 1	£. 9	£. —	£. 10 350	£. —	£. 10 350	£. —	£. —	
				- On the 26th November 1874	-	Other than H.M. Yards, Sec. 1.	635	£. —	£. —	£. 350	£. 350	£. —	£. 350	£. —	£. —	
Steam Cutter, No. 44 (at- tached to "Vestal").	-	2½	4	19 Oct. 1874	21 Nov. 1874	Portsmouth	251	£. 1	£. 6	£. —	£. 7 350	£. —	£. 7 350	£. —	£. —	
				- On the 26th November 1874	-	Other than H.M. Yards, Sec. 1.	635	£. —	£. —	£. 350	£. 350	£. —	£. 350	£. —	£. —	
Steam Cutter, No. 45 (at- tached to "Nassau").	-	2½	4½	26 Oct. 1874	14 Nov. 1874	Portsmouth	251	£. 1	£. 9	£. —	£. 10 350	£. —	£. 10 350	£. —	£. —	
				- On the 26th November 1874	-	Other than H.M. Yards, Sec. 1.	635	£. —	£. —	£. 350	£. 350	£. —	£. 350	£. —	£. —	
Steam Cutter, No. 46	-	2½	4½	23 Dec. 1874	30 Jan. 1875	Portsmouth	251	£. —	£. 8	£. —	£. 8 350	£. —	£. 8 350	£. —	£. —	
				- On the 9th February 1875	-	Other than H.M. Yards, Sec. 1.	635	£. —	£. —	£. 350	£. 350	£. —	£. 350	£. —	£. —	

Steam Cutter, No. 47	-	2½	4½	18 Jan. 1875 - On the 1st March 1875	Portsmouth - Other than H.M. Yards, Sec. 1.	252 635	-	-	6	-	350	6	350
Steam Cutter, No. 48	-	2½	4½	18 Jan. 1875 - On the 1st March 1875	Portsmouth - Other than H.M. Yards, Sec. 1.	252 635	-	-	6	-	350	6	350
Steam Cutter, No. 49	-	2½	4½	1 Mar. 1875 - On the 31st March 1875	Portsmouth - Other than H.M. Yards, Sec. 1.	252 635	-	-	7	-	350	7	350
Steam Cutter, No. 50	-	2½	4½	1 Mar. 1875 - On the 31st March 1875	Portsmouth - Other than H.M. Yards, Sec. 1.	252 635	-	-	8	-	350	8	350
Steam Cutter, No. 51	-	2½	5	1 Mar. 1875 - On the 31st March 1875	Portsmouth - Other than H.M. Yards, Sec. 1.	253 635	-	-	8	-	350	8	350
Steam Cutter, No. 52 (at- tached to "Rover").	-	3	6	14 Sep. 1874 - On the 30th October 1874	Portsmouth - Other than H.M. Yards, Sec. 1.	253 635	-	-	11	-	465	11	465
Steam Cutter, No. 53	-	2½	-	- On the 31st March 1875	Other than H.M. Yards, Sec. 1.	635	-	-	-	-	294	294	213
Steam Cutter, No. 54	-	2½	-	- On the 31st March 1875	Other than H.M. Yards, Sec. 1.	635	-	-	-	-	294	294	213
Steam Cutter, No. 55	-	2½	-	- On the 31st March 1875	Other than H.M. Yards, Sec. 1.	635	-	-	-	-	213	213	11
Steam Cutter, No. 56 (at- tached to "Enchantress").	-	1½	4½	4 Jan. 1875 - On the 9th February 1875	Portsmouth - Other than H.M. Yards, Sec. 1.	253 636	-	-	11	-	350	11	350
Steam Cutter, No. 57 (at- tached to "Opal," late "Magicienne").	-	3	7	18 Jan. 1875 - On the 31st March 1875	Portsmouth - Other than H.M. Yards, Sec. 1.	253 636	-	-	9	-	465	9	465
Steam Cutter, No. 58	-	2½	-	- On the 31st March 1875	Other than H.M. Yards, Sec. 1.	636	-	-	-	-	230	230	230
Steam Cutter, No. 59	-	2½	-	- On the 31st March 1875	Other than H.M. Yards, Sec. 1.	636	-	-	-	-	230	230	230
Steam Cutter, No. 60 (at- tached to "Hawk").	-	1½	3	8 Mar. 1875 - On the 31st March 1875	Portsmouth - Other than H.M. Yards, Sec. 1.	253 636	-	-	5	-	350	5	350
Steam Launch, No. 70 (Ton- pedo service at Bermuda).	-	6	24	21 Dec. 1874 20 Mar. 1875	Portsmouth	254	312	25	98	25	435	3	432
Steam Launch, No. 71 (Tor- pedo service at Malta).	-	6	24	4 Jan. 1875 20 Mar. "	Portsmouth	254	318	25	99	25	442	9	433
Steam Launch, No. 72	-	6	-	18 Jan. " 20 Mar. "	Portsmouth	254	46	30	42	30	118	2	110
Steam Launch, No. 73	-	6	-	15 Feb. " 20 Feb. "	Portsmouth	254	-	-	1	-	1	-	1
Steam Launch, No. 74 (at- tached to "Zealous").	-	6	23	8 June 1874 20 June 1874	Portsmouth	254	-	-	8	-	3	-	3
Steam Launch, No. 75	-	6	-	23 April " 20 Mar. 1875	Devonport	362	549	-	234	-	783	46	787
Steam Launch, No. 76	-	-	-	21 Dec. " 20 Mar. "	Devonport	362	134	-	28	-	162	50	112
Steam Launch, No. 77	-	-	-	18 Jan. 1875 20 Mar. "	Devonport	363	53	-	4	-	57	32	25
Steam Launch, No. 80	-	-	-	7 Nov. 1874 21 Nov. 1874	Sheerness	185	-	-	2	-	2	-	2
Steam Launch, No. 81	-	-	-	7 Nov. " 31 Mar. 1875	Sheerness	185	-	-	2	-	2	-	2
Steam Launch, No. 82	-	-	-	11 Feb. 1875	Other than H.M. Yards, Sec. 1.	636	-	5	-	5	5	-	5

No. 1.—SHIPS BUILDING AND COMPLETING FOR SEA SERVICE—continued.

NAME OF SHIP.	Number of Guns.	Horse Power.	Tonnage.	Periods within which the Expense was Incurred.		Dockyards at which the Expense has been Incurred.	Page of Detailed Abstract.	EXPENDITURE INCURRED DURING THE YEAR 1874-75.							REMARKS.	
				From	To			Value of Materials Issued.	Wages.	Payments to Contractors, &c., Made and Allowed at Admiralty.	Gross Total, excluding Incidental and Establish- ment Charges.	Value of Materials Returned.	Net Total, excluding Incidental and Establish- ment Charges.	Incidental and Establish- ment Charges.		Total Expense, inclusive of Incidental and Establish- ment Charges.
NOT IRON CLAD—continued.																
Steam Launch, No. 83 -	-	-	-	1 Feb. 1875	6 Feb. 1875	Devonport -	363	£.	1	—	£.	1	£.	1	£.	
Steam Pinnace, No. 38	-	6	13	-	On the 14th November 1874 -	Chatham -	131	744	—	—	744	—	744	—		
Steam Pinnace, No. 45 (for use of Senior Officer at Singapore).	-	6	13	22 June 1874	27 June 1874	Portsmouth -	255	1	1	—	2	—	2	—		
Steam Pinnace, No. 48	-	6	13	23 Mar. "	30 May "	Chatham -	131	3	10	—	13	—	13	—		
Steam Pinnace, No. 50 (attached to "London").	-	6	13	20 April "	27 June "	Devonport -	363	28	15	—	43	4	39	—		
Steam Pinnace, No. 51 (for use of Senior Officer at Hong Kong).	-	6	13	23 Mar. "	27 June "	Portsmouth -	255	1	2	—	3	—	3	—		
Steam Pinnace, No. 55 (attached to "Assist- ance").	-	4½	7½	17 Aug. "	22 Aug. "	Portsmouth -	255	—	1	—	1	—	1	—		
Steam Pinnace, No. 56 (attached to "Black Prince").	-	6	14	1 June "	20 Mar. 1875	Devonport -	363	18	34	—	52	1	51	—		
Steam Pinnace, No. 57 (attached to "Ver- non").	-	6	13½	23 Mar. "	18 April 1874	Portsmouth -	255	—	2	—	2	—	2	—		
Steam Pinnace, No. 58	-	7½	13	21 Dec. "	20 Mar. 1875	Portsmouth - Other than H.M. Yards, Sec. 1.	255 686	1	32	—	33 984	—	33 984	—		
Steam Pinnace, No. 59	-	4½	7½	23 Mar. 1874	16 May 1874	Portsmouth -	255	—	7	—	7	—	7	—		
Steam Pinnace, No. 60	-	4½	7½	6 April "	29 Aug. "	Portsmouth - Other than H.M. Yards, Sec. 1.	255 686	—	8	—	8 25	—	8 25	—		
Steam Pinnace, No. 61	-	4½	7½	6 July 1874	12 Sept. 1874	Portsmouth - Other than H.M. Yards, Sec. 1.	235 666	—	11	—	11 116	—	11 116	—		

[illegible]

WEAR AND TEAR AND MAINTENANCE OF THE FLEET, IN COMMISSION AND IN RESERVE, including REPAIRS, REFITS, ALTERATIONS,
WORKS rendered necessary by NEW ARMAMENTS, &c.

Note.—The Figures printed in *Italics* in the Money Columns show the Amount of Net Credits for Stores, &c. returned.

EXPENDITURE INCURRED DURING THE YEAR 1874-75.										REMARKS.						
NAME OF SHIP.	Number of Guns.	Horse Power.	Tonnage.	Periods within which the Expense was Incurred.		Dockyards at which the Expense has been Incurred.	Page of Detailed Abstract.									
				From	To			Value of Materials Issued.	Wages.		Payments to Contractors, &c., Made and Allowed at Admiralty.	Stores Issued from one Ship to another.	Gross Total, excluding Incidental and Establishment Charges.	Value of Materials Returned.	Net Total, excluding Incidental and Establishment Charges.	Incidental and Establishment Charges.
IRON CLADS BUILT BY CONTRACT:																
IN COMMISSION:																
Agincourt (S. Armour-plated Iron Ship).	28	1,350 (6,867)	6,621 (10,627)	22 June 1874 23 Mar. " 1875 4 Feb. 1875 1 April 1874	14 Nov. 1874 10 Dec. " 1875 19 Feb. 1875 31 Mar. "	Portsmouth Devonport Gibraltar Other than H.M. Yards, Sec. 1. Ditto - Sec. 2	259 363 524 638 664	£. 14 6,961 16 — —	£. — 2,269 1 — —	£. — — 3 — —	£. — — — Cr. 28 Cr. 28	£. 14 9,230 17 3 —	£. 3 1,410 1 — —	£. 11 7,820 16 3 28	£. — — — — —	£. — — — — —
Audacious (Double Screw Iron Ship, Armour-plated).	14	800 (4,021)	3,774 (6,034)	On the 29th Jan. 1875 21 May 1874 19 Sept. " 1874 5 Oct. " 1875 26 Oct. " 1875 5 Mar. 1875 16 Nov. 1874 1 Oct. "	26 Nov. 1875 24 Oct. " 1874 14 Nov. " 1875 5 Nov. " 1875 31 Mar. 1875 6 Jan. " 1875 31 Mar. "	Deptford Chatham Sheerness Portsmouth Devonport Hong Kong Malta Other than H.M. Yards, Sec. 1. Ditto - Sec. 2	96 132 186 259 304 544 570 638 664	£. 2 6,054 47 129 225 351 264 — —	£. — 8 8 2 13 100 130 — —	£. — — — — — — 5 4	£. 2 6,057 55 131 238 27 394 5 4	£. — 9,981 — 1 3 27 21 — —	£. — 3,924 55 130 235 424 373 5 4	£. — — — — — — — —	£. — — — — — — — —	
Black Prince (S. Armour-plated Iron Ship).	28	1,250 (5,772)	6,109 (9,437)	23 Mar. 1874	20 Mar. 1875	Devonport	864	£. 1,222	£. 104	£. —	£. —	£. 1,326	£. 7,043	£. 5,747	£. —	£. —
Cyclops (Twin Screw Armour-plated Turret Ship).	4	250 (1,660)	2,107 (3,430)	11 Jan. 1875	5 Feb. "	Devonport	864	£. 590	£. —	£. —	£. —	£. 590	£. —	£. 590	£. —	£. —
Defence (S. Armour-plated Iron Ship).	16	600 (2,537)	3,720 (6,070)	23 Mar. 1874 17 June "	20 Mar. " 1875 11 Aug. 1874	Devonport Other than H.M. Yards, Sec. 1.	864 664	£. 1,455 —	£. 17 —	£. —	£. —	£. 1,472 3	£. 45 —	£. 1,427 3	£. —	£. —
Gorgon (Twin Screw Iron Armour-plated Turret Ship).	4	250 (1,670)	2,107 (3,430)	23 Mar. "	20 Mar. 1875	Devonport	865	£. 825	£. 184	£. —	£. —	£. 1,009	£. 37	£. 972	£. —	£. —
Hecate (Twin Screw Armour-plated Turret Ship).	4	250 (1,735)	2,107 (3,430)	8 May "	3 Feb. "	Devonport	865	£. 1,172	£. —	£. —	£. —	£. 1,172	£. —	£. 1,172	£. —	£. —
Hector (S. Armour-plated Iron Ship).	18	800 (3,256)	4,039 (6,713)	7 Sept. " 1875 23 Mar. " 1875 22 June "	16 Jan. " 1875 20 Mar. " 1875 23 Mar. "	Chatham Portsmouth Other than H.M. Yards, Sec. 1.	132 259 638	£. — 14,697 —	£. 4 21,611 —	£. — — 9	£. — — —	£. 4 36,308 9	£. — 3,811 —	£. 4 32,487 9	£. — — —	£. — — —

Hotspur (Twin Screw Iron Armour-plated Ram).	3	600 (3,407)	2,637 (4,010)	-	Devonport	-	365	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
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EXPENDITURE INCURRED DURING THE YEAR 1874-75.																
NAME OF SHIP.	Number of Guns.	Horse Power.	Tonnage.	Periods within which the Expense was Incurred.		Dockyards at which the Expense has been Incurred.	Page of Detailed Abstract.	EXPENDITURE INCURRED DURING THE YEAR 1874-75.						Total Expense, inclusive of Incidental and Establish- ment Charges.		
				From	To			Value of Materials Issued.	Wages.	Payments to Contractors, &c., Made and Allowed at Admiralty.	Stores Issued from one Ship to another.	Gross Total, excluding Incidental and Establish- ment Charges.	Value of Materials Returned.		Net Total, excluding Incidental and Establish- ment Charges.	Incidental and Establish- ment Charges.
IRON CLADS BUILT IN HER MAJESTY'S DOCKYARDS:																
IN COMMISSION:																
Achilles (S. Armour-plated Iron Ship).	16	1,250 (5,722)	6,121 (9,694)	23 Mar. 1874 1 April	20 Mar. 1875 31 Jan.	Devonport Other than H.M. Yards, Sec. 1. Ditto - Sec. 2	368 639 664	4,639 — —	44 — —	— 13 —	— — Cr. 470	4,683 13 Cr. 470	3,383 — —	1,350 13 470	— — —	£.
Bellerophon (S. Armour-plated Iron Ship).	15	1,000 (6,324)	4,270 (7,554)	31 Mar. 1874 2 April 30 May On the 13th March 1875	9 Jan. 1875 17 Dec. 1874 17 Nov. March 1875	Portsmouth Bermuda Halifax Jamaica	250 {496} 497 534 560	108 1,224 1,182 1	— 590 25 —	— — — —	— — — —	108 1,814 1,207 1	— 239 140 —	108 1,575 1,067 1	— — — —	£.
Caledonia (S. Armour-plated Ship).	24	1,000 (4,538)	4,125 (6,832)	6 April 1874 On the 9th May 1874 1 April 1874 On the 9th November 1874	17 Mar. 1875 — 31 Mar. 1875 1874 -	Devonport Pembroke Other than H.M. Yards, Sec. 1. Ditto - Sec. 2	368 440 639 664	1,258 10 — —	16 — — —	— 70 — —	— — Cr. 7 —	1,274 10 70 Cr. 7	270 — — —	1,004 10 70 7	— — — —	£.
Devastation (S. Armour-plated Ship).	4	800 (6,649)	4,407 (9,790)	23 Mar. 1874 On the 11th July 1874 On the 15th August 1874	20 Mar. 1875 — 1874 -	Portsmouth Pembroke Other than H.M. Yards, Sec. 2.	250 440 664	3,685 5 —	1,755 — —	— — —	— Cr. 7 —	5,440 5 Cr. 7	2,084 — —	3,356 5 7	— — —	£.
Favorite (S. Armour-plated Corvette).	10	400 (4,773)	2,094 (3,232)	On the 19th May 1874 26 Mar. 1874 1 April —	5 Mar. 1875 31 Mar. — —	Chatham Sheerness Other than H.M. Yards, Sec. 1. Ditto - Sec. 2	132 186 639 664	35 1,817 — —	— 353 — —	— 22 — —	— — Cr. 129 —	35 2,170 22 Cr. 129	— 332 — —	35 1,838 22 429	— — — —	£.
Glatton (S. Armour-plated Turret Ship).	2	500 (2,865)	2,709 (4,942)	23 Mar. 1874	20 Mar. 1875	Portsmouth Yards, Sec. 1.	261	643	464	—	—	1,107	56	1,051	—	£.
Hercules (S. Armour-plated Iron Ship).	14	1,200 (8,529)	5,234 (8,677)	23 Mar. 29 Aug. —	20 Mar. 19 Dec. 1874 —	Portsmouth Other than H.M. Yards, Sec. 1. Ditto - Sec. 2	261 639 664	19,797 — —	15,810 — —	— 22 —	— — 2	35,607 22 2	5,445 — —	30,162 22 2	— — —	£.

[illegible]

No. 2.—WEAR AND TEAR AND MAINTENANCE OF THE FLEET, IN COMMISSION AND IN RESERVE, including REPAIRS, RETIRS, ALTERATIONS, WORKS, &c.—continued.

EXPENDITURE INCURRED DURING THE YEAR 1874-75.

NAME OF SHIP.		Number of Guns.	Horse Power.	Tonnage.	Periods within which the Expense was Incurred.		Dockyards at which the Expense has been Incurred.	EXPENDITURE INCURRED DURING THE YEAR 1874-75.						REMARKS.		
					From	To		Value of Materials Issued.	Wages.	Payments to Contractors, &c., Made and Allowed at Admiralty.	Stores Issued from one Ship to another.	Gross Total, excluding incidental and Establishment Charges.	Value of Materials Returned.		Net Total, including incidental and Establishment Charges.	Incidental and Establishment Charges.
IRON CLADS BUILT IN HER MAJESTY'S DOCKYARDS—continued.																
IN COMMISSION—continued.																
Rupert (S. Armour-plated Ram and Turret Ship).	4	700 (4,200)	3,159 (5,284)	{ 1 April 1874 On the 9th May 1874	21 Jan. 1875	Chatham - Sheerness -	133 187	£. 646	-- 2	£. --	-- --	£. 646	-- 2	£. 646	£. 2	
Sultan (S. Iron Armour-plated Ship).	12	1,200 (8,629)	5,234 (9,286)	{ 23 Mar. 1874 On the 11th July 1874 12 Feb. 1875	16 Jan. 1875	Portsmouth - Pembroke - Gibraltar - Other than H. M. Yards, Sec. 2.	{262} {263} 440 526 665	7,008 3 90 --	2,101 -- 5 --	-- -- -- --	-- -- -- --	9,109 3 35 Cr. 7	-- -- -- --	7,991 3 35 7	£. 2	
Thunderer (Iron Armour-plated Turret Ship).	4	800 (5,600)	4,407 (9,190)	23 Nov. 1874	28 Nov. 1874	Portsmouth	263	2	--	--	--	2	--	--	£.	
Zealous (S. Armour-plated Ship).	20	800 (3,448)	3,716 (6,096)	23 Mar. "	13 Feb. 1875	Portsmouth	263	1,992	25	--	--	2,017	179	1,838	£.	
TOTAL								61,157	23,825	1,182	Cr. 524	85,640	18,803	66,837	18,715	85,552
NOT IRON CLAD:																
IN COMMISSION:																
Aboukir (S. Line-of-Battle Ship).	23	400 (1,533)	3,091 (4,382)	{ 21 Sept. 1874 8 April "	26 Sept. 1874	Portsmouth - Jamaica - Other than H.M. Yards, Sec. 2.	264 560 665	8 1,048 --	435 --	-- -- --	-- -- Cr. 167	8 1,483 Cr. 167	-- 164 --	8 1,319 167		
Active (S. Iron Corvette, cased with wood).	10	600 (4,015)	2,322 (3,078)	{ 20 April 1874 13 Aug. "	25 April 1874	Portsmouth - Cape of Good Hope.	264 510	3 1,609	288	--	--	3 1,897	615 258	612 1,639		
				1 Oct. "	31 Dec. "	Other than H.M. Yards, Sec. 1.	640	--	--	9	--	9	--	9		
				--	--	Ditto - Sec. 2.	665	--	--	--	84	84	--	84		
-Active (Coast Guard Cruiser).	-	-	131	14 July 1874	22 Feb. 1875	Sheerness	187	324	157	--	--	481	61	420		
Adder (Coast Guard Cruiser).	-	-	70	{ 12 June 1 Oct.	6 Mar. 31 Mar.	Sheerness - Other than H.M. Yards, Sec. 1.	187 640	26 --	--	--	--	26 32	3 --	23 32		

Adelaide (Coast Guard Cruiser).	-	-	18	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
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EXPENDITURE INCURRED DURING THE YEAR 1874-75.

NAME OF SHIP.	Number of Guns.	Horse Power.	Tonnage.	Expense was Incurred.		Dockyards at which the Expense has been Incurred.	Page of Details Abstract.	Value of Materials Issued.	Wages.	Payments to Con- tractors, &c. Made and Allowed at Admiralty.	Stores Issued from one Ship to another.	Gross Total, excluding Incidental and Establish- ment Charges.	Value of Materials Returned.	Net Total, excluding Incidental and Establish- ment Charges.	Incidental and Establish- ment Charges.	Total Expense, inclusive of Incidental and Establish- ment Charges.	REMARKS.	
				From	To													
NOT IRON CLAD—continued.																		
IN COMMISSION—continued.																		
Ariel (S. Gun Boat)	4	60 (50)	308 (436)	On the 15th June 1874 4 June 1874 11 June "	14 Aug. 1874 4 Dec. "	Chatham - Gibraltar - Other than H.M. Yards, Sec. 2.	123 527 666	27 133 —	— 24 —	— — —	— — Cr. 15	27 157 Cr. 15	— 5 —	27 152 15	—	—		
Arrow (Twin Screw Gun Boat).	1	28 (36)	245 (254)	On the 19th June 1874 29 May 1874 On the 24th July 1874	— 20 Mar. 1875 —	Deptford - Sheerness - Other than H.M. Yards, Sec. 2.	97 188 666	1 77 —	— 16 —	— — —	— — 22	1 93 22	— 3 —	1 90 22	—	—		
Asia (Sailing Ship)	4	—	2,289 (3,394)	23 Mar. 1874 24 Mar. "	20 Mar. 1875 24 June 1874	Portsmouth - Other than H.M. Yards, Sec. 2.	266 666	1,266 —	19 —	— —	— Cr. 40	1,275 Cr. 40	236 —	1,039 40	—	—		
Aurora (S. Frigate)	28	400 (1,377)	2,558 (3,382)	4 Jan. 1875 6 April 1874 1 April " 1 Oct. "	6 Feb. 1875 20 Mar. " 6 April 1874 31 Mar. 1875	Portsmouth - Devonport - Haulbowline - Other than H.M. Yards, Sec. 1. Ditto - Sec. 2	266 369 468 640 666	236 4,359 1 — —	— 840 — — —	— — 5 — —	— — — — Cr. 32	236 5,199 1 5 — Cr. 32	— 1,086 5 — —	236 4,113 4 5 — 32	—	—		
Avon (Double Screw Gun Vessel).	4	120 (328)	467 (584)	28 Aug. 1874 18 Mar. 1875 1 April 1874	2 Jan. 1875 20 Mar. " 30 Nov. 1874	Hong Kong - Malta - Other than H.M. Yards, Sec. 1. Ditto - Sec. 2	545 575 641 666	1,391 23 — —	529 2 — —	— — 237 —	— — — 3	— — — —	1,920 25 237 —	343 11 — —	1,577 14 237 3	—	—	
Azov (Cutter)	—	—	94	19 April 1874	20 Mar. 1875	Malta -	{ 575 } { 576 }	154	44	—	—	198	24	174	—	—		
Barracouta (U. Sloop)	5	300 (884)	1,053 (—)	13 May 4 May 21 Sept. 29 Dec. 1 June	20 Mar. 1874 18 July 1874 26 Sept. " 10 Mar. 1875 31 Mar. "	Sheerness - Portsmouth Cape of Good Hope Sydney - Other than H.M. Yards, Sec. 1. Ditto - Sec. 2	188 266 510 597 641 666	3,606 13 184 349 — —	1,514 — 4 6 — —	— — — — 163 —	— — — — — Cr. 18	5,120 13 188 355 163 Cr. 18	1,257 — 46 — —	3,863 13 188 309 163 18	—	—		

Ship	Armament	Complement	Displacement	Speed	Range	Endurance	Armament	Complement	Displacement	Speed	Range	Endurance
Basilisk (P. Sloop)	-	5	400 (1,032)	10	1,031 (-)	3 Dec. 1874	8 Jan. 1875	189	4	87	113	2,138
Beacon (Double Screw Composite Gun Vessel)	-	4	120 (506)	10	465 (584)	1 April 1874	19 Aug. 1874	511	787	514	70	1,231
Beagle (Schooner)	-	1	-	120	-	On the 22nd	31 Mar. 1875	641	-	-	3	89
Beatrice (Coast Guard Cruiser)	-	-	-	30	-	10 June 1874	31 Mar. 1875	597	502	502	90	412
Bittern (Double Screw Gun Vessel)	-	3	160 (854)	10	663 (774)	1 July	31 Mar. 1875	641	-	192	192	192
Blanche (S. Ship)	-	6	350 (2,458)	10	1,268 (4,759)	15 June 1874	24 Dec. 1874	597	744	93	177	660
Boscawen (late Trafalgar)	-	16	500 (2,275)	10	2,900 (4,579)	30 Mar. 1874	30 Mar. 1875	641	-	555	330	2,859
Boxer (Gunboat)	-	4	120 (587)	10	465 (584)	10 April	31 Jan. 1874	520	526	14	110	430
Brilliant (Drill Ship)	-	17	-	954 (4,408)	5 Sept.	20 Mar. 1875	20 Mar. 1875	641	-	143	-	143
Britannia (late "Prince of Wales")	-	-	-	3,994 (6,204)	23 Mar.	20 Mar. 1875	20 Mar. 1875	370	2,353	352	325	2,380
Britomart (S. Gunboat)	-	2	60 (277)	10	270 (330)	15 June 1874	5 Feb. 1875	370	1	4	215	210
Briton (S. Line-of-Battle Ship)	-	10	350 (2,449)	10	1,331 (4,870)	29 April	5 Mar. 1875	604	1,878	77	227	1,728
Bruiiser (S. Gunboat)	-	2	60 (458)	10	268 (330)	11 May	20 Mar. 1875	370	121	55	217	44
Bullfinch (Double Screw Gun Vessel)	-	3	160 (955)	10	664 (774)	8 May	20 Mar. 1875	189	992	73	-	1,164

NAME OF SHIP.	Number of Guns.	Horse Power.	Tonnage.	Periods within which the Expense was Incurred.		Dockyards at which the Expense has been Incurred.	Page of Detailed Abstract.	EXPENDITURE INCURRED DURING THE YEAR 1874-75.							REMARKS.			
				From	To			Value of Materials Issued.	Wages.	Payments to Con- tractors,&c. Made and Allowed at Admiralty.	Stores Issued from one Ship to another.	Gross Total, excluding Incidental and Establish- ment Charges.	Value of Materials Returned.	Net Total, excluding Incidental and Establish- ment Charges.		Incidental and Establish- ment Charges.	Total Expense, inclusive of Incidental and Establish- ment Charges.	
NOT IRON CLAD—continued.																		
IN COMMISSION—continued.																		
Bullfrog (S. Gunboat)	2	60 (263)	236 (284)	11 Aug. 1874 1 April "	20 Mar. 1875 31 Mar. "	Sheerness - Other than H.M. Yards, Sec. 1.	189 642	£. 70 --	-- -- 7	£. -- 7	-- -- 7	-- -- 7	70 7	7 --	63 7	£. -- 7	£.	
Buzzard (P. Sloop)	2	300 (853)	980 (—)	6 May "	15 Mar. "	Devonport	370	--	--	--	--	--	--	--	319	319	£.	
Cadmus (S. Corvette)	17	400 (1,531)	1,466 (2,157)	9 Nov. " 8 Sept. " 15 April " 1 April "	12 Mar. " 12 Sept. 1874 31 July " 31 Mar. 1875 30 Sept. 1874	Devonport Cape of Good Hope Hong Kong Shanghai Other than H.M. Yards, Sec. 1.	370 511 545 592 642	1 110 495 62 --	75 8 18 -- --	-- -- -- -- 45	-- -- -- -- --	-- -- -- -- --	76 118 503 62 45	2,834 16 63 32 --	2,758 102 440 30 45	-- -- -- -- --	£.	
Cambridge (late "Windsor Castle").	29	Late 500 (2,052)	3,101 (4,971)	23 Mar. "	20 Mar. 1875	Devonport	371	2,664	139	--	--	--	2,803	358	2,445	--	£.	
Caméleon (S. Sloop)	7	100 (424)	751 (1,045)	1 April "	31 Mar. "	Other than H.M. Yards, Sec. 1. Ditto - Sec. 2 -	642 666	-- --	-- --	242 --	-- --	-- Cr. 35	242 Cr. 35	-- --	242 35	-- --	£.	
Castor (Drill Ship for Royal Naval Reserve).	13	-- (1,293)	1,293 (4,808)	28 Mar. 1874 1 April "	20 Mar. 1875 19 Mar. "	Sheerness - Other than H.M. Yards, Sec. 1.	189 642	281 --	1 --	-- 391	-- --	-- --	282 391	20 --	262 391	-- --	£.	
Challenger (S. Corvette)	4	400 (1,267)	1,462 (2,306)	18 Nov. " 20 April " 1 April "	5 Mar. " 24 April 1874 31 Mar. 1875	Hong Kong, Sydney - Other than H.M. Yards, Sec. 1.	545 598 642	1,507 460 --	173 -- --	-- 276	-- --	-- --	1,680 460 276	517 132 --	1,163 328 276	-- -- --	£.	
Chance (Coast Guard Cruiser).	--	--	60 (1,472)	23 Mar. " 15 April " -- On the 7th July 1874	28 Mar. " 12 Feb. " 12 July 1874	Portsmouth Devonport Other than H.M. Yards, Sec. 1.	267 371 643	1 250 --	-- 6 --	-- 235	-- --	-- --	1 256 235	-- 83 --	1 173 235	-- -- --	£.	
Charybdis (S. Corvette)	17	400 (1,472)	1,506 (2,187)	10 Aug. 1874 1 April "	3 Feb. 1875 31 Mar. "	Hong Kong Other than H.M. Yards, Sec. 1. Ditto - Sec. 2 -	546 643 666	354 -- --	-- -- --	-- 2,981	-- --	-- --	354 2,981	60 --	294 2,981	-- 44	£.	
Clerub (S. Gunboat)	2	60 (226)	268 (396)	29 July " -- On the 21st July 1874 7 April 1874 29 May "	21 Aug. 1874 Devonport - 15 May 1874 27 June "	Sheerness - Devonport Bermuda Halifax	189 371 498 535	52 7 156 35	34 -- 109 38	-- -- -- --	-- -- -- --	-- -- -- --	86 7 265 73	474 7 19 1	388 7 246 72	-- -- -- --	£.	

EXPENDITURE INCURRED DURING THE YEAR 1874-75

NAME OF SHIP.	Number of Guns.	Horse Power.	Tonnage.	Expense was Incurred.		Dockyards at which the Expense has been Incurred.	Page of Detailed Abstract.	Value of Materials Issued.	Wages.	Payments to Contractors, &c. Made and Allowed at Admiralty.	Stores Issued from one Ship to another.	Gross Total, excluding Incidental and Establishment Charges.	Value of Materials Returned.	Net Total, excluding Incidental and Establishment Charges.	Incidental and Establishment Charges.	Total Expense, inclusive of Incidental and Establishment Charges.	REMARKS.
				From	To												
NOT IRON CLAD—continued.																	
IN COMMISSION—continued.																	
Cycnet (Composite Gun Boat).	4	(457)	(440)	7 Sept. 1874 29 Oct. "	16 Sept. 1874 3 Feb. 1875	Sheerness - Devonport	190 371	128 310	— —	— —	— —	128 310	— 2	128 308	— —	— —	
Dedalus (Drill Ship at Bristol for Royal Naval Reserve).	13	—	1,082 (1,447)	28 Nov. " 21 April " 22 April " 1 Jan. 1875	2 Jan. " 13 Feb. " 23 April 1874 31 Mar. 1875	Sheerness - Devonport - Pembroke - Other than H.M. Yards, Sec. 1.	190 371 440 643	— 179 — —	8 3 — —	— — — 147	— — — —	8 182 — 147	— — 8 —	8 182 — 147	— — — —	— — — —	
Danish (S. Sloop) -	6	350 (2,689)	1,287 (1,755)	6 April 1874 18 April "	20 Mar. " 30 June 1874	Portsmouth Bermuda - Other than H.M. Yards, Sec. 2.	267 498 667	— 416 —	66 103 —	— — —	— — 6	66 519 6	436 278 —	370 241 6	— — —	— — —	
Daphne (S. Sloop) -	5	300 (1,927)	1,084 (1,574)	- On the 16th January 1875 - 7 Aug. 1874 1 April " - On the 28th November 1874 -	2 Mar. 1875 31 Mar. " " November 1874 -	Devonport Trincemalle Other than H.M. Yards, Sec. 1. Ditto - Sec. 2	371 605 643 667	— 2,150 — —	— 160 — —	— 355 — —	— — Cr. 1 —	— 2,310 355 Cr. 1	112 235 — —	412 2,075 355 1	— — — —	— — — —	
Dapper (S. Gunboat, Tender to "Britannia.")	1	60 (272)	234 (284)	7 April 1874	20 Mar. 1875	Devonport	371	163	91	—	—	254	22	232	—	—	
Daring (Composite Sloop)	4	120 (916)	787 (844)	- On the 20th January 1875 - 13 Oct. 1874 24 Oct. " 2 Nov. " - On the 21st September 1874 - - On the 9th February 1875 -	21 Nov. 1874 21 Nov. 1874 29 Oct. " 7 Nov. " September 1874 - Feb. 1875 -	Deptford - Chatham - Sheerness - Portsmouth Other than H.M. Yards, Sec. 1. Ditto - Sec. 2	97 183 190 267 643 667	1 1,073 14 8 — —	— — 1 4 — —	— — — 70 — —	— — — — Cr. 38 —	1 1,073 15 12 70 Cr. 38	— — — — — —	1 1,073 15 12 70 38	— — — — — —	— — — — — —	
Dart (S. Gun Vessel) -	5	80 (336)	428 (570)	20 May 1874	21 July 1874	Other than H.M. Yards, Sec. 2.	667	—	—	—	42	42	—	42	—	—	
Dasher (P. Small Vessel)	2	100 (234)	260 (—)	31 Mar. "	20 Mar. 1875	Portsmouth	267	431	35	—	—	466	73	393	—	—	

Ship	Rate	7 April 1874	2 Mar. 1875	Sheerness - Other than H.M. Yards, Sec. 1.	190	114	—	—	—	114	5	112
Dauntless (S. Frigate)	9	580 (1,303)	1 July On the 18th May 1874	31 Mar. " "	644	—	—	—	—	—	—	2
					667	—	—	—	—	Cr. 5	—	5
Devooy (Composite Gunboat)	4	60 (459)	7 Jan. 1875 On the 17th August 1874 1 April 1874	12 Mar. 1875 30 Sept. 1874	498 511 644	245	214	—	—	459	28	431
					667	—	—	—	—	—	—	2
					667	—	—	—	—	25	—	8
					667	—	—	—	—	—	—	25
Desmond (Coast Guard Cruiser)	—	—	23 Mar. 1874 1 April "	20 Mar. 1875 30 June 1874	268 644	138	17	—	—	155 213	164	9 213
					667	—	—	—	—	—	—	—
Dido (S. Sloop)	8	350 (2,518)	23 April 1 April "	15 Dec. 1874 31 Mar. 1875	598 644	576	11	—	—	587 2,222	153	434 2,222
					667	—	—	—	—	Cr. 32	—	32
Diamond (Corvette)	14	350 (2,455)	9 Feb. 1875	20 Mar. "	190	134	—	—	—	134	—	134
Donogal (S. Line-of-Battle Ship)	30	800 (3,103)	20 April 1874	16 Jan. "	268	10	1	—	—	11	—	11
					667	—	—	—	—	—	—	—
Doris (S. Frigate)	24	800 (3,005)	24 Aug. On the 15th March 1875 10 April 1874	20 Mar. " "	372 511	4,938	2,528	—	—	7,466 151	1,135	6,331 151
					527	46	—	—	—	46	20	26
					535	198	10	—	—	208	45	163
					578	286	70	—	—	366	38	318
Dromedary (Troop Store Ship)	—	180 (640)	25 May "	20 Feb. 1875	268	105	31	—	—	136	651	545
					667	—	—	—	—	—	—	—
Druid (S. Corvette)	10	350 (2,472)	On the 27th May 1874 8 May 1874 13 April "	20 Mar. 1875 2 May 1874 20 Aug. "	97 190 268	3,884	2,304	2	—	6,188 2	34 882	34 5,306
					372	21	—	—	—	21	1	20
					644	—	—	—	—	10	—	10
					667	—	—	—	—	4	—	4
					667	—	—	—	—	—	—	—
Dryad (S. Sloop)	9	300 (1,404)	On the 6th October 1874 23 Mar. 1874 26 Dec. "	20 Mar. 1875 4 Jan. "	97 372 499	1	8	—	—	1 2,036	19	1 2,017
					536	16	25	—	—	41	41	41
					561	33	28	—	—	118	5	113
					667	—	—	—	—	35	2	33
Duke of Wellington (S. Line-of-Battle Ship)	25	700 (1,999)	23 Mar. 1874 6 April "	20 Mar. " "	268 644	2,052	341	—	—	2,423 2	855	1,568 2
					667	—	—	—	—	Cr. 3	—	3
Duncan (S. Line-of-Battle Ship)	30	800 (2,826)	23 Mar. 1874	19 Mar. 1875	191	4,012	2,380	—	—	6,401	1,324	5,077

EXPENSES INCURRED ON HER MAJESTY'S SHIPS BUILDING, CONVERTING,

NAME OF SHIP.	Number of Guns.	Horse Power.	Tonnage.	Periods within which the Expense was Incurred.		Dockyards at which the Expense has been Incurred.	Page of Detailed Abstract.	EXPENDITURE INCURRED DURING THE YEAR 1874-75.							REMARKS.		
				From	To			Value of Materials Issued.	Wages.	Payments to Contractors, &c. Made and Allowed at Admiralty.	Stores Issued from one Ship to another.	Gross Total, excluding Incidental and Establishment Charges.	Value of Materials Returned.	Net Total, excluding Incidental and Establishment Charges.		Incidental and Establishment Charges.	Total Expense, inclusive of Incidental and Establishment Charges.
NOT IRON CLAD—continued.																	
IN COMMISSION—continued.																	
Durham (Late "Active" Drill Ship of Royal Naval Reserve).	17	-	1,627 (4,815)	25 April 1874 1 April "	1 Mar. 1875 31 Mar. "	Sheerness - Other than H.M. Yards, Sec. 1.	191 644	£. 59 -	£. 11 -	£. - 12	£. - -	£. 70 12	£. 18 -	£. 52 12			
Dwarf (Double Screw Composite Gun Vessel).	4	120 (495)	465 (584)	15 April 1 April 1 April	6 Mar. " 31 Mar. " 26 Jan. "	Hong Kong - Shanghai - Other than H.M. Yards, Sec. 1.	546 592 645	1,683 6 -	455 - -	- 214	- Cr. 4	2,138 6 214	249 8 -	1,889 2 214			
Eagle (Coast Guard Cruiser).	-	-	118	11 July 1874 1 Oct. "	6 Mar. 1875 31 Dec. 1874	Devonport - Other than H.M. Yards, Sec. 1.	372 645	162 -	1 -	- 2	- -	163 2	1 -	162 2			
Eagle (Drill Ship—Royal Naval Reserve).	14	-	1,723 (3,340)	31 Mar. 1 April "	17 Mar. 1875 31 Mar. "	Devonport - Other than H.M. Yards, Sec. 1.	372 645	337 -	8 -	- 88	- -	345 88	103 -	242 88			
Earnest (S. Gunboat)	1	60 (133)	236 (284)	6 April "	20 Mar. "	Portsmouth -	269	84 -	10 -	- -	- -	94 -	4 -	90 -			
Eclipse (S. Sloop)	12	350 (4,946)	1,273 (4,755)	2 Mar. 1875 26 May 1874	20 Mar. " 8 Jan. "	Bermuda - Jamaica -	499 561	272 437	22 20	- -	- -	294 457	53 43	241 414			
Edith (Coast Guard Cruiser).	-	-	115	1 July "	30 Sept. 1874	Other than H.M. Yards, Sec. 1.	645	-	-	2 -	- -	2 -	- -	2 -			
Egeria (Composite Sloop)	4	120 (4,044)	727 (894)	7 April 2 Dec. 11 Dec. 9 Feb. 1875	10 Dec. " 11 Dec. " 12 Dec. " 10 Feb. 1875	Devonport - Gibraltar - Malta - Trincomalee -	372 597 578 605	1,169 2 17 25	1 2 6 3	- - -	- - -	1,170 4 23 28	70 - 6 -	1,100 4 17 28			
Egmont (Sailing Ship)	-	-	1,780 (2,912)	1 April 1874 21 July "	31 Mar. " 19 Oct. 1874	Other than H.M. Yards, Sec. 1. Ditto - Sec. 2	645 667	-	-	175 -	- -	175 -	- -	175 -			
Elfin (P. Yacht)	-	40 (181)	98 (-)	23 Mar. 15 June "	20 Mar. 1875 8 Aug. 1874	Portsmouth - Other than H.M. Yards, Sec. 1.	269 645	401 -	508 -	- 7	- -	969 7	26 -	943 7			

NOT IRON CLAD—continued.

IN COMMISSION—continued.

REPAIRING, FITTING, &c. DURING THE FINANCIAL YEAR 1874-75.

[illegible]

No. 2.—WEAR AND MAINTENANCE OF THE FLEET, IN COMMISSION AND IN RESERVE, including REPAIRS, REFITTING, ALTERATIONS, WORKS, &c.—continued.

[illegible]

[illegible]

Imogene (Coast Guard Cruiser).	1	60 (85)	300 (—)	On the 2nd Nov. 1874 12 Oct. 1874 27 Mar. " 20 Mar. 1875 15 April " 11 July " 30 Mar. 1875 14 Oct. " 11 Aug. 1874 17 June " 20 Mar. 1875	Chatham - Portsmouth - Devonport - Haulbowline - Other than H.M. Yards, Sec. 1. Ditto - Sec. 2	134 274 375 469 647 669	145 276 24 —	— — — 2,040 —	— — — — Cr. 3	145 6 289 24 2,040 Cr. 3	— — 100 10 — —	145 6 189 14 2,040 3
Implacable (Sailing Ship)	16	—	1,882 (3,223)	23 Mar. " 20 Mar. 1875 23 Mar. " 30 Mar. " 20 Mar. 1875 23 Mar. " 30 Dec. " 20 Mar. 1875 On the 27th October 1874 -	Devonport - Devonport - Other than H.M. Yards, Sec. 1. Ditto, Sec. - 2	375 375 647 669	2,175 2,172 — —	— — — —	— — — Cr. 6	2,304 2,236 5 Cr. 6	269 218 — —	2,035 2,018 5 6
Inconstant (Iron S. Frigate cased with wood).	16	1,000 (7,364)	4,066 (5,732)	27 April 1874 27 Feb. 1875	Portsmouth -	274	40	—	—	41	—	41
Indus (Sailing Ship)	—	—	2,098 (3,653)	23 Mar. " 20 Mar. 1875	Devonport -	376	1,991	59	—	2,050	312	1,738
Jackal (P. Small Vessel)	1	150 (455)	340 (—)	20 April " 6 Aug. 1874 1 April " 31 Jan. 1875 On the 19th May 1874 -	Devonport - Other than H.M. Yards, Sec. 1. Ditto - Sec. 2	376 647 669	626 — —	— — —	— — 120	792 32 120	70 — —	722 32 120
Julia (Coast Guard Cruiser).	—	—	15	26 Mar. 1874 23 Feb. 1875 1 April " 30 June 1874	Devonport - Other than H.M. Yards, Sec. 1.	376 647	6 —	— 60	— —	6 60	1 —	5 60
Juno (S. Corvette)	8	400 (—)	1,462 (—)	On the 3rd March 1875 - 27 April 1874 17 Oct. 1874	Sheerness - Other than H.M. Yards, Sec. 1.	193 647	31 —	— 36	— —	31 36	— —	31 36
Kestrel (Composite Gun Vessel).	4	100 (835)	462 (592)	15 April " 12 Feb. 1875 1 July " 30 Sept. 1874	Hong Kong - Other than H.M. Yards, Sec. 1.	548 647	343 —	— 2	— —	343 2	— —	343 2
King George (Coast Guard Cruiser).	—	—	60	11 May " 16 May 30 July " 6 Mar. 1875 24 April " 6 May 1874 1 April " 31 Dec. "	Portsmouth - Devonport - Haulbowline - Other than H.M. Yards, Sec. 1.	274 376 469 648	1 36 — —	— — — 60	— — — —	1 36 — 60	— — 21 —	1 36 27 60
Lapwing (Double Screw Gun Vessel).	3	160 (382)	663 (774)	2 April " 8 Mar. 1875 17 Oct. " 23 Oct. 1874 24 Oct. " 31 Oct. " 1875 14 Jan. 1875	Devonport - Gibraltar - Malta - Trincomalee -	376 528 581 606	1,071 3 18 12	— — — —	— — — —	1,075 3 31 18	165 — 2 —	910 3 29 18
Liberty (Sailing Ship, Tender to "Ganges").	10	—	423 (447)	23 Mar. 1874 20 Mar. 1874 On the 12th June 1874 -	Devonport - Other than H.M. Yards, Sec. 2.	376 669	776 —	— —	— —	1,172 Cr. 7	236 —	936 7

EXPENDITURE INCURRED DURING THE YEAR 1874-75.

NAME OF SHIP.	Number of Guns.	Horse Power.	Tonnage.	Expense was Incurred.		Dockyards at which the Expense has been Incurred.	Page of Detailed Abstract.	Value of Materials Issued.	Wages.	Payments to Con- tractors, &c. Made and Allowed at Admiralty.	Stores Issued from one Ship to another.	Gross Total, excluding Incidental and Establish- ment Charges.	Value of Materials Returned.	Net Total, excluding Incidental and Establish- ment Charges.	Incidental and Establish- ment Charges.	Total Expense, inclusive of Incidental and Establish- ment Charges.	REMARKS.	
				From	To													
NOT IRON CLAD—continued.																		
IN COMMISSION—continued.																		
Lily (S. Gun Vessel)	3	(570)	(620)	On the 10th October 1874 -		Devonport	377	£. 3	—	—	—	£. 3	—	£. 3	—	£.		
Lion (S. Line-of-Battle Ship).	10	400 (4,732)	2,611 (3,842)	23 Mar. 1874	18 Mar. 1875	Devonport	377	555	29	—	—	584	56	528	—	£.		
Lively (P. Despatch Vessel).	2	250 (4,757)	835 (935)	6 April 23 Mar. 1 Jan. 1875	16 Jan. 8 Mar. 31 Mar.	Portsmouth Devonport Other than H.M. Yards, Sec. 1.	275 377 648	15 1,504 —	12 780 —	— — 10	— — —	27 2,284 10	— 585 —	27 1,689 10	—	£.		
London (S. Ship)	2	Late 500 (3,052)	2,687 (4,375)	On the 10th September 1874 24 Mar. 1874 12 Oct.	5 Aug. 1874 19 Oct.	Deptford Devonport Cape of Good Hope.	98 377 513	17 4,694 265	— — 26	— — —	— — —	17 4,694 291	— 158 35	17 4,536 256	—	£.		
Lucifer (P. Tender)	—	180 (480)	383 (—)	4 Jan.	9 Jan.	Portsmouth	275	—	—	—	—	—	2	2	—	£.		
Lynx (Double Screw Composite Gun Vessel).	4	120 (526)	464 (584)	16 Nov. 1874 25 Jan. 1875	20 Mar. 30 Jan.	Devonport Other than H.M. Yards, Sec. 1.	377 648	48 —	23 —	Cr. 33 —	— —	71 Cr. 33	327 —	256 33	—	£.		
Magpie (Double Screw Gun Vessel).	3	160 (357)	665 (774)	On the 6th August 1874 19 May 1874 1 April	23 Nov. 1874 31 Mar. 1875	Deptford Trincomalee Other than H.M. Yards, Sec. 1.	98 606 648	17 43 —	— — 2,179	— — —	— — 3	17 43 2,179	— — —	17 43 2,179	—	£.		
Margaret (Coast Guard Cruiser).	—	—	70	20 July 1874 6 May 1 Oct.	8 Mar. 1875 18 Sept. 1874 31 Dec.	Devonport Pembroke Other than H.M. Yards, Sec. 1.	378 441 648	82 34 —	— — 2	— — —	— — —	82 34 2	21 —	82 13 2	—	£.		

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EXPENDITURE INCURRED DURING THE YEAR 1874-75.																	
NAME OF SHIP.	Number of Guns.	Horse Power.	Tonnage.	Periods within which the Expense was incurred.		Dockyards at which the Expense has been incurred.	Page of Detailed Abstract.	Value of Materials Issued.	Wages, Contractors, &c. Made and Allowed at Admiralty.	Stores Issued from one Ship to another.	Gross Total, excluding Incidental and Establish- ment Charges.	Value of Materials Returned.	Net Total, excluding Incidental and Establish- ment Charges.	Incidental and Establish- ment Charges.	Total Expense, inclusive of Incidental and Establish- ment Charges.	REMARKS.	
				From	To												
NOT IRON CLAD—continued.																	
IN COMMISSION—continued.																	
Nassau (S. Surveying Vessel).	4	150 (755)	605 (877)	On the 20th 29 April 1874	February 1875 25 April 1874	Deptford - Portsmouth - Trafalgar - Other than H.M. Yards, Sec. 1. Ditto - Sec. 2	98 275 606 649 680	75 7 146 — —	— — — 6 —	— — — — 11	75 7 146 6 11	— — — — —	75 7 146 6 11	— — — — —	— — — — —	— — — — —	
Neptune (Coast Guard Cruiser).	—	—	60	8 April	20 Mar. "	Devonport -	378	177	36	—	213	24	180	—	—	—	
Nereus (Store Ship)	3	—	1,004 (1,417)	1 April	31 Mar. "	Other than H.M. Yards, Sec. 1.	649	—	27	—	27	—	27	—	—	—	
Netley (Tender to "Pa- vorito").	2	60 (230)	268 (330)	27 Mar. " 1 April "	31 Oct. 1874 31 Mar. 1875	Sheerness - Other than H.M. Yards, Sec. 1. Ditto - Sec. 2	103 649 689	110 — —	— — —	— — 19	119 5 19	10 — —	103 5 19	— — —	— — —	— — —	
Newcastle (S. Frigate)	23	600 (1,453)	3,035 (4,026)	25 Mar. " 15 Mar. 1875	20 Mar. 1875 24 Mar. "	Sheerness - Cape of Good Hope. Other than H.M. Yards, Sec. 1. Ditto - Sec. 2	103 613 649 689	1,057 80 — —	— — — —	— — — Cr. 23	1,743 89 3 Cr. 23	222 50 — —	1,521 39 3 23	— — — —	— — — —	— — — —	
Nimble (S. Gun Vessel)	5	50 (350)	428 (570)	On the 15th 6 July 1874	April 1874 - 11 July 1874	Deptford - Portsmouth - Other than H.M. Yards, Sec. 1. Ditto - Sec. 2	98 275 649 689	17 14 — —	— — 1,322 —	— — — —	— — — 29	— — — —	— — — —	17 14 1,322 29	— — — —	— — — —	— — — —
Niobe (S. Sloop)	—	300 (1,335)	1,063 (1,374)	10 April 1874 8 May "	20 April 1874 14 Dec. "	Hermuda - Bathurst - Other than H.M. Yards, Sec. 1. Ditto - Sec. 2	409 535 649 689	73 80 — —	22 28 — —	— — — —	— — — 50	55 117 3 55	17 2,401 — —	78 2,374 3 55	— — — —	— — — —	— — — —
Nymphe (S. Sloop)	9	800 (1,772)	1,084 (1,374)	31 Oct. 1874 1 Feb. 1875	20 Mar. 1875 6 Feb. "	Sheerness - Portsmouth - Other than H.M. Yards, Sec. 1.	103 275 649	2,064 1 —	75 — —	— — —	2,139 1 1	— — —	2,13 1 1	— — —	— — —	— — —	

Opossum (S. Gunboat)	1	60 (—)	255 (284)	1 May 1874 1 July "	25 Aug. 1874 3 Nov. "	Hong Kong Other than H.M. Yards, Sec. 1.	549 649	45 —	— —	— 61	— —	45 61	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —
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O. 1.

G 2

Rapid (S. Sloop) - -

Rattlesnake (S. Corvette)

Ready (Twin Screw Gun Vessel).

Reindeer (S. Sloop) -

Renard (Schooner) -

Revenge (S. Ship) -

Rifflman (S. Surveying Vessel)

Rinaldo (S. Sloop) -

Ringdove (Double Screw Gun Vessel).

Rocket (Double Screw Composite Gun Vessel).

26 Mar. 1874	3 Aug. 1874	8 Jan. 1875	Gibraltar -	529	86	20	-	-	106	21	85
1 April	20 Mar.	20 Mar.	Malta -	781	3,494	448	1	-	3,942	2,078	964
-	30 Sept.	30 Sept.	Other than H.M. Yards, Sec. 1.	650	-	-	-	-	1	-	1
-	-	-	Ditto - Sec. 2	670	-	-	-	9	9	-	9
23 Mar. 1874	5 Feb. 1875	5 Feb.	Devonport Other than H.M. Yards, Sec. 2.	380	2	29	-	-	31	3,253	3,222
-	-	-	-	670	-	-	-	-	Cr. 6	-	6
1 April 1874	31 Mar. 1875	31 Mar.	Other than H.M. Yards, Sec. 1.	650	-	-	36	-	36	-	36
20 May	19 Oct.	19 Oct.	Ditto - Sec. 2	670	-	-	-	41	41	-	41
10 Nov.	31 Mar.	31 Mar.	Esquimaux Other than H.M. Yards, Sec. 1.	520	55	10	-	-	65	-	65
1 April	31 Mar.	31 Mar.	Ditto - Sec. 2	651	-	-	544	-	544	-	544
26 Mar.	20 Jan.	20 Jan.	-	670	-	-	-	117	117	-	117
5 June	20 Mar.	20 Mar.	Sydney -	539	802	-	-	-	802	138	664
1 Sept.	31 Dec.	31 Dec.	Other than H.M. Yards, Sec. 1.	651	-	-	361	-	361	-	361
-	-	-	Ditto - Sec. 2	670	-	-	-	22	22	-	22
23 Mar. 1874	19 Mar.	19 Mar.	Devonport	381	322	67	-	-	389	193	196
18 April	20 Mar.	20 Mar.	Haithowline -	470	958	8	-	-	966	58	908
-	-	-	Other than H.M. Yards, Sec. 2.	670	-	-	-	-	Cr. 5	-	5
30 July	27 Feb.	27 Feb.	Trincomalee -	607	205	13	-	-	218	32	186
1 April	31 Mar.	31 Mar.	Other than H.M. Yards, Sec. 1.	651	-	-	1,135	-	1,135	-	1,135
4 Aug.	1 Feb.	1 Feb.	Ditto - Sec. 2	670	-	-	-	69	69	-	69
22 June	31 Oct.	31 Oct.	Portsmouth	277	53	51	-	-	104	858	754
11 May	16 May	16 May	Malta -	581	54	12	-	-	66	1	65
1 April	31 July	31 July	Other than H.M. Yards, Sec. 1.	651	-	-	1	-	1	-	1
15 April	31 Mar.	31 Mar.	Hong Kong -	549	612	9	-	-	621	62	559
1 April	31 Mar.	31 Mar.	Shanghai -	593	12	-	-	-	12	75	68
1 April	30 Nov.	30 Nov.	Other than H.M. Yards, Sec. 1.	651	-	-	451	-	451	-	451
-	On the 1st August 1874	-	Ditto - Sec. 2	670	-	-	-	36	36	-	36
4 Aug. 1874	16 Feb. 1875	16 Feb.	Sheerness -	194	914	37	-	-	951	-	951
28 Sept.	3 Oct.	3 Oct.	Portsmouth -	277	47	-	-	-	47	-	47
2 Oct.	3 Oct.	3 Oct.	Devonport	381	9	2	-	-	11	-	11
14 Sept.	31 Mar.	31 Mar.	Other than H.M. Yards, Sec. 1.	651	-	-	3	-	3	-	3

NAME OF SHIP.	Number of Guns.	Horse Power.	Tonnage.	Periods within which the Expense was Incurred.		Dockyards at which the Expense has been Incurred.	Page of Detailed Abstract.	EXPENDITURE INCURRED DURING THE YEAR 1874-75.										REMARKS.
				From	To			Value of Materials Issued.	Wages.	Payments to Con- tractors, &c. Made and Allowed at Admiralty.	Stores Issued from one Ship to another.	Gross Total, excluding Incidental and Establish- ment Charges.	Value of Materials Returned.	Net Total, excluding Incidental and Establish- ment Charges.	Incidental and Establish- ment Charges.	Total Expense, inclusive of Incidental and Establish- ment Charges.		
NOT IRON CLAD—continued.																		
IN COMMISSION—continued.																		
Rosario (S. Sloop)	3	150 (436)	673 (913)	6 June 1874 1 April "	23 Nov. 1874 31 Mar. 1875	Sydney Other than H. M. Yards, Sec. 1. Ditto - Sec. 2 - Chatham -	600 651 670 135	479 — — 173	3 — — —	— 36 — —	— — 10 —	482 36 10 173	80 — — —	402 36 10 173				
Rover (Corvette)	18	— (4,750)	— (3,494)	— — —	— — —	— — —	— — —	— — —	— — —	— — —	— — —	— — —	— — —	— — —	— — —			
Royal Adelaide (Sailing Ship).	13	— 2,446 (4,422)	— 2,446 (4,422)	23 Mar. 1874	20 Mar. 1875	Devonport	381	2,187	139	—	—	2,326	167	2,159				
Royal Charlotte (Coast Guard Cruiser).	—	— — —	— — —	11 April 17 April 1 July	8 Mar. 14 Aug. 1874 3 Mar. 1875	Devonport Pembroke Other than H. M. Yards, Sec. 1. Ditto - Sec. 2 -	381 441 651	535 31 —	9 9 —	— — 564	— — —	544 40 564	4 5 —	540 35 564				
Royal George (S. Ship)	72	400 (4,417)	2,616 (4,205)	— — —	— — —	— — —	670 381	— — —	— — —	— — —	7 — —	7 — —	212	7 212				
St. Vincent (Sailing Ship)	22	— — —	2,612 (4,672)	23 Mar. 1874 18 May "	20 Mar. 1875 13 Oct. 1874	Portsmouth Other than H. M. Yards, Sec. 2.	277 651	4,692 —	816 —	— 29	— —	5,508 29	508	5,000 29				
Salamander (P. Sloop)	2	220 (506)	818 (—)	— — —	— — —	— — —	194 277 381	174 217 297	— 155 125	— — —	— — —	174 372 422	— 29 281	174 343 141				
Salamis (P. Despatch Vessel).	2	250 (4,440)	835 (965)	11 May — —	17 Sept. 1874 — —	Devonport Gibraltar Malta	381 529 582	1 — 19	20 — —	— — —	— — —	21 — 19	804 79 76	783 79 57				
Sandfly (Schooner)	1	— — —	120	6 June 1 July —	8 Jan. 1875 31 Mar. —	Sydney Other than H. M. Yards, Sec. 1. Ditto - Sec. 2 -	600 651 671	351 — —	15 — —	112 — —	— — 5	366 112 5	30 — —	336 112 5				
Sapphire (Corvette)	14	350 (2,356)	1,405 (4,890)	10 Feb. 1875	20 Mar. 1875	Devonport	382	615	—	—	—	615	—	615				
Sappho (Composite Sloop)	4	120 (736)	727 (894)	— — —	— — —	— — —	99 135 194	1 946 20	— — —	— — —	— — —	1 946 21	— 24 7	1 922 14				

Ship	Rank	Commodore	Year	Month	Day	Port	Destination	Remarks
Scout (S. Corvette)	17	400	1,462	7 Oct. 1874	31 Oct. 1874	Esquimaux	Other than H. M.	520
		(1,327)	(2,487)	1 April	31 Mar. 1875	Yards, Sec. 1.		652
				9 May	25 Nov. 1874	Ditto - Sec. 2		671
Seafower (Sailing Brig)	8	-	425	23 Mar.	20 Mar. 1875	Portsmouth		278
			(454)	20 April	2 May 1875	Devonport		382
				30 Mar.	18 April	Fenbroke		441
				1 July	30 Sept.	Other than H. M.		652
				4 Oct.	17 Oct.	Yards, Sec. 1.		671
						Ditto - Sec. 2		671
Seagull (Double Screw Gun Vessel).	3	160	663	21 Jan. 1875	17 Mar. 1875	Bermuda		499
		(702)	(774)	26 Mar. 1874	21 Dec. 1874	Jamaica		563
						Other than H. M.		671
						Yards, Sec. 2.		
Sealark (Sailing Brig)	8	-	319	On the 28th July 1874	20 Mar. 1875	Devonport		382
			(314)	23 Mar. 1874				
Seamew (Coast Guard Cruiser).	1	50	330	6 April	27 Feb.	Portsmouth		278
		(459)	(376)	20 April	20 Mar.	Devonport		382
Shah (late "Blonde")	26	1,000	4,210	10 Aug.	27 Feb.	Portsmouth		279
		(7,500)	(5,700)					
Shearwater (S. Sloop)	4	150	669	On the 29th January 1875	4 Aug. 1874	Devonport		382
		(532)	(913)	23 Mar.	7 July	Cape of Good Hope		514
				On the 1st July 1874		Malta		582
				1 April 1874	31 Mar. 1875	Other than H. M.		652
				1 Feb. 1875	13 Mar.	Yards, Sec. 1.		671
						Ditto - Sec. 2		
Simoon (S. Troop Ship)	4	400	1,980	On the 17th October 1874	26 Dec. 1874	Sheerness		195
		(1,576)	(3,302)	27 April 1874	3 Oct.	Portsmouth		279
				8 Feb. 1875	10 Feb. 1875	Devonport		382
				22 Nov. 1874	20 Mar.	Cape of Good Hope		514
						Gibraltar		529
Sirius (S. Sloop)	12	350	1,268	1 June	6 June 1874	Portsmouth		279
		(2,334)	(4,755)	20 June	20 Mar. 1875	Devonport		383
Skylark (Coast Guard Cruiser).	-	-	70	25 Jan. 1875	30 Jan.	Portsmouth		279
				26 Mar. 1874	13 Feb.	Devonport		383
				On the 10th December 1874		Other than H. M.		652
						Yards, Sec. 1.		
Skylark (S. Gunboat)	1	60	236	8 Aug. 1874	31 Oct. 1874	Sheerness		195
		(263)	(254)	6 April	13 Mar. 1875	Portsmouth		279
				On the 14th September 1874		Other than H. M.		671
						Yards, Sec. 2.		
Spartan (S. Sloop)	8	350	1,269	23 Mar. 1874	22 Jan. 1875	Bermuda		499
		(1,582)	(4,755)	4 July 1874	28 Nov. 1874	Halifax		536
				8 Feb. 1875	20 Mar. 1875	Jamaica		563
				1 April 1874	30 Sept. 1874	Other than H. M.		652
						Yards, Sec. 1.		671
						Ditto - Sec. 2		
Speedy (S. Gunboat)	2	60	273	6 April 1874	6 Feb. 1875	Portsmouth		280
		(218)	(336)					

No. 2.—WEAR AND TEAR AND MAINTENANCE OF THE FLEET, IN COMMISSION AND IN RESERVE, including REPAIRS, REFITS, ALTERATIONS, WORKS, &c.—*continued.*

EXPENDITURE INCURRED DURING THE YEAR 1874-75.															
NAME OF SHIP.	Number of Guns.	Horse Power.	Tonnage.	Periods within which the Expense was Incurred.		Dockyards at which the Expense has been Incurred.	Page of Detailed Abstract.	EXPENDITURE INCURRED DURING THE YEAR 1874-75.							REMARKS.
				From	To			Value of Materials Issued.	Wages.	Payments to Con- tractors, &c. Made and Allowed at Admiralty.	Stores Issued from one Ship to another.	Gross Total, excluding Incidental and Establish- ment Charges.	Value of Materials Returned.	Net Total, excluding Incidental and Establish- ment Charges.	
NOT IRON CLAD—continued.															
IN COMMISSION—continued.															
Sphinx (S. Sloop) -	5	500 (1,169)	1,061 (-)	17 Aug. 1874 18 April " " 26 Mar. " " 30 April " "	16 Jan. 1875 20 April 1874 1 Aug. " " 11 June " "	Devonport - Bermuda - Halifax - Jamaica - Other than H. M. Yards, Sec. 2.	383 500 537 563 671	£. 47 7 188 148 —	£. 56 2 17 1 —	£. — — — — —	£. — — — 114 —	£. 103 9 205 149 114	£. 1,977 439 9 —	£. 1,874 9 234 140 114	
Spiteful (P. Sloop) -	6	280 (796)	1,054 (-)	23 Mar. 1874 26 Mar. " " 12 Jan. 1875	21 Nov. 1874 2 May " " 25 Mar. 1875	Portsmouth - Devonport - Cape of Good Hope. Other than H. M. Yards, Sec. 2.	280 383 514 671	£. 900 2 767 —	£. 75 — 486 —	£. — — — —	£. — — 75 —	£. 975 2 1,253 75	£. 105 — 145 —	£. 870 2 1,108 75	
Sprightly (P. Tender) -	—	100 (24)	234 (-)	23 Mar. 1874	20 Mar. 1875	Portsmouth -	280	£. 225	£. 136	£. —	£. —	£. 361	£. 17	£. 344	
Spy (Coast Guard Cruiser).	—	—	40	6 April " "	20 Mar. " "	Portsmouth -	281	£. 38	£. 31	£. —	£. —	£. 69	£. 4	£. 65	
Squirrel (Coast Guard Cruiser).	—	—	40	27 Mar. " " On the 16th May 1874	24 Oct. 1874 May 1874	Sheerness - Other than H. M. Yards, Sec. 2.	195 671	£. 71 —	£. —	£. —	£. 7	£. 71 7	£. 38 —	£. 33 7	
Squirrel (Training Brig, attached to "Impreg- nable").	10	—	428 (447)	On the 6th August 1874 13 April 1874 23 Mar. " "	August 1874 - 18 April 1874 20 Mar. 1875	Deptford - Portsmouth - Devonport -	99 281 383	£. 7 —	£. —	£. —	£. —	£. 7 1 928	£. 1 146	£. 7 782	
Stag (Coast Guard Cruiser).	—	—	120	23 Mar. " " 13 April " " 24 Feb. 1875	23 May 1874 18 Mar. 1875 13 Mar. " "	Portsmouth - Devonport - Haulbowline -	281 383 470	£. 103 53 2	£. —	£. —	£. —	£. 103 55 5	£. 116 — 4	£. 43 55 1	
Steam Life-boat Cutter, No. 3 (attached to "Penelope").	—	2	7	6 June 1874	28 Aug. 1874	Chatham -	135	£. 18	£. 27	£. —	£. —	£. 45	£. 9	£. 36	
Steam Cutter, No. 5 (at- tached to "Shearwater")	—	—	—	On the 31st March 1875	March 1875	Cape of Good Hope.	515	£. —	£. —	£. 150	£. —	£. 150	£. —	£. 150	
Steam Cutter, No. 7 (at- tached to "Tamar").	—	21	6	16 April 1874	26 Sept. 1874	Devonport -	383	£. 18	£. 47	£. —	£. —	£. 65	£. 7	£. 58	
Steam Cutter, No. 9 (at- tached to "Victoria and Albert").	—	3	6	6 April " "	13 Mar. 1875	Portsmouth -	281	£. 27	£. 22	£. —	£. —	£. 49	£. —	£. 49	

Steam Cutter, No. 11 (attached to "Himalaya").	3	7	4 May "	5 Nov. 1874	Devonport	383	42	—	—	—	—	42	6	36
Steam Cutter, No. 12 (attached to "Antelope").	3	7	1 April "	8 Mar. 1875	Malta	582	4	16	—	—	—	20	—	20
Steam Cutter, No. 14 (at- tached to "Simoom").	3	6	4 May "	1 Aug. 1874	Devonport	383	5	16	—	—	—	21	—	21
Steam Cutter, No. 15 (at- tached to "Anethyst").	3	7	18 May "	20 June "	Devonport	384	3	7	—	—	—	10	—	10
Steam Cutter, No. 17 -	3	7	1 April "	30 Sept. "	Other than H.M. Yards, Sec. 1.	652	—	—	12	—	—	12	—	12
Steam Cutter, No. 20 (attached to "Albatross").	2½	3½	7 Sept. "	5 Oct. "	Devonport	384	3	5	—	—	—	8	—	8
Steam Cutter, No. 21 (at- tached to "Spitful").	2½	4	6 April "	23 Jan. 1875	Portsmouth	281	11	10	—	—	—	21	1	20
Steam Cutter, No. 22 (at- tached to "Fly").	2½	4 {	28 July 9 Nov. "	24 Oct. 1874 1 Dec. "	Portsmouth Devonport	281 384	22 39	8 11	—	—	—	25 50	—	25 50
Steam Cutter, No. 23 (attached to "Audacious").	2½	4	17 Nov. "	21 Nov. "	Malta	582	—	2	—	—	—	2	—	2
Steam Cutter, No. 26 (unappropriated).	2½	4	13 April "	18 April "	Portsmouth	281	1	—	—	—	—	1	—	1
Steam Cutter, No. 28 -	3	7	1 Jan. 1875	31 Mar. 1875	Other than H.M. Yards, Sec. 1.	652	—	—	2	—	—	2	—	2
Steam Cutter, No. 29 (at- tached to "Vilage").	3	—	23 Mar. 1874	28 Mar. 1874	Portsmouth	281	—	—	—	—	—	—	2	28
Steam Cutter, No. 33 (at- tached to "London").	2½	5	23 June "	8 July "	Devonport	384	28	—	—	—	—	23	—	23
Steam Cutter, No. 34 (at- tached to "Druid").	2½	—	20 June "	14 Aug. "	Sheerness	195	6	17	—	—	—	20	—	20
Steam Cutter, No. 35 (at- tached to "Egeria").	2	5	20 Aug. "	10 Nov. "	Devonport	384	20	—	—	—	—	3	—	3
Steam Cutter, No. 36 (at- tached to "Vigilant").	2½	—	13 Oct. "	16 Oct. "	Malta	581	1	2	—	—	—	7	—	7
Steam Cutter, No. 37 (at- tached to "Flying Fish").	2½	4½	20 July "	25 July "	Portsmouth	282	7	—	—	—	—	33	—	33
Steam Cutter, No. 38 (at- tached to "Dryad").	2	5	4 Aug. "	14 Sept. "	Devonport	384	33	—	—	—	—	56	—	56
Steam Cutter, No. 39 (at- tached to "Osborne").	3	6	14 Dec. "	13 Mar. 1875	Portsmouth	282	15	41	—	—	—	4	—	4
Steam Launch, No. 3 -	6	24	18 Oct. "	19 Oct. 1874	Other than H.M. Yards, Sec. 1.	652	—	—	4	—	—	99	12	87
Steam Launch, No. 9 (Surveying Service).	5	25	20 April "	20 Mar. 1875	Portsmouth	282	61	38	—	—	—	9	—	9
Steam Launch, No. 12 (attached to "Asia").	6	23	9 Nov. "	14 Nov. 1874	Portsmouth	282	9	—	—	—	—	—	—	—

NAME OF SHIP.	Number of Guns.	Horse Power.	Tonnage.	Periods within which the Expense was Incurred.		Dockyards at which the Expense has been Incurred.	Page of Detailed Abstract.	EXPENDITURE INCURRED DURING THE YEAR 1874-75.							REMARKS.			
				From	To			Value of Materials Issued.	Wages.	Payments to Con- tractors, &c. Made and Allowed at Admiralty.	Stores Issued from one Ship to another.	Gross Total, excluding Incidental and Establish- ment Charges.	Value of Materials Returned.	Net Total, excluding Incidental and Establish- ment Charges.		Incidental and Establish- ment Charges.	Total Expense, inclusive of Incidental and Establish- ment Charges.	
NOT IRON CLAD—continued.																		
IN COMMISSION—continued.																		
Steam Launch, No. 13 (at- tached to "Excellent").	-	6	22	8 June 1874	13 June 1874	Portsmouth	282	1	-	-	-	-	1	-	1	-	-	
Steam Launch, No. 19 (attached to "Royal Adelaide").	-	6	22	4 May "	2 Dec. "	Devonport	385	32	10	-	-	-	42	1	41	-	-	
Steam Launch, No. 25 (attached to "Glas- gow").	-	6	-	9 Dec. "	17 Dec. "	Trincomalee	607	11	13	-	-	-	24	-	24	-	-	
Steam Launch, No. 26 (at- tached to "Zealous").	-	6	23	14 Dec. "	19 Dec. "	Portsmouth	282	-	1	-	-	-	1	-	1	-	-	
Steam Launch, No. 27 (attached to "Royal Alfred").	-	6	23	-	On the 9th September 1874 -	Devonport	385	7	-	-	-	-	7	-	7	-	-	
Steam Launch, No. 29 (at- tached to "Ganges").	-	6	23	26 Sept. 1874	18 Mar. 1875	Devonport	385	14	-	-	-	-	14	-	14	-	-	
Steam Launch, No. 33 (at- tached to "Cambridge").	-	6	24	20 Jan. 1875	20 Mar. "	Devonport	385	10	1	-	-	-	11	-	11	-	-	
Steam Launch, No. 36 -	-	6	23	-	On the 19th March 1875 -	Other than H.M. Yards, Sec. 1.	652	-	-	156	-	-	156	-	156	-	-	
Steam Launch, No. 37 (at- tached to "Narcissus").	-	6	23	13 July 1874	30 Sept. 1874	Devonport	385	21	31	-	-	-	52	4	48	-	-	
Steam Launch, No. 39 -	-	6	22	1 Oct. "	31 Oct. "	Other than H.M. Yards, Sec. 1.	652	-	-	184	-	-	184	-	184	-	-	
Steam Launch, No. 41 (attached to "Duke of Wellington").	-	6	23	4 May "	6 Mar. 1875	Portsmouth	{ 282 } { 283 }	64	5	-	-	-	69	5	64	-	-	
Steam Launch, No. 44 (attached to "Hector").	-	6	22	8 Feb. 1875	13 Feb. "	Portsmouth	283	-	-	-	-	-	-	3	3	-	-	
Steam Launch, No. 46 (originally attached to "Topaze").	-	6	23	13 July 1874	2 Mar. "	Devonport	385	8	24	-	-	-	32	129	97	-	-	
Steam Launch, No. 48 (Torpedo Service).	-	6	22	23 Mar. "	13 Feb. "	Portsmouth	283	82	133	-	-	-	215	33	182	-	-	
Steam Launch, No. 53 (attached to "Aurora").	-	6	23	{ 11 May 1 Jan. 1875	{ 22 Oct. 1874 31 Mar. 1875	Devonport Other than H.M. Yards, Sec. 1.	{ 385 652 }	89 -	80 -	- 166	- -	- -	169 166	37 -	132 166	-	-	

	6	23	30 Mar. 1874	2 May 1874	Devonport	386	31	60	220	311	7	304
Steam Launch, No. 55 (attached to "Northumberland").	-	6	22	23 Mar. "	31 Oct. "	Devonport	-	386	56	65	-	112
Steam Launch, No. 57 (attached to "Agincourt").	-	6	24	27 April "	31 Oct. "	Devonport	-	386	7	23	-	30
Steam Launch, No. 58 (attached to "Resistance").	-	6	23	28 May "	30 Jan. 1875	Sheerness	-	195	8	27	1	34
Steam Launch, No. 59 (attached to "Duncan").	-	6	15	6 Feb. 1875	20 Mar. "	Sheerness	-	195	24	22	-	46
Steam Launch, No. 60 (attached to "Duncan").	-	6	23	27 July 1874	12 Sept. 1874	Portsmouth	-	283	36	34	-	70
Steam Launch, No. 64 (attached to "Immortalité").	-	6	23	17 Sept. "	13 Jan. 1875	Devonport	-	386	52	-	-	52
Steam Launch, No. 65 (attached to "Achilles").	-	6	24	- On the 27th February 1875 -	Devonport	-	386	4	-	4	-	4
Steam Launch, No. 66 (attached to "Indus").	-	6	23	22 June 1874	13 Feb. 1875	Portsmouth	-	283	62	-	-	62
Steam Launch, No. 74 (attached to "Zealous").	-	6	12	23 Mar. "	17 Oct. 1874	Portsmouth	-	283	245	-	-	215
Steam Pinnace, No. 2 (attached to "Asia").	-	6	13	23 Mar. "	13 Mar. 1875	Devonport	-	387	81	137	41	177
Steam Pinnace, No. 7 (attached to "Triumph").	-	6	13	1 June "	7 Nov. 1874	Portsmouth	-	283	71	17	2	86
Steam Pinnace, No. 10 (attached to "Monarch").	-	4½	8	23 Mar. "	20 Mar. 1875	Devonport	-	387	14	28	-	42
Steam Pinnace, No. 13 (for use of Admiral Superintendent at Devonport Yard).	-	6	13	16 April "	31 Oct. 1874	Devonport	-	387	29	68	22	75
Steam Pinnace, No. 17 (attached to "Iron Duke").	-	-	-	23 Mar. "	8 Jan. 1875	Hong Kong	-	549	8	7	-	15
Steam Pinnace, No. 18 (attached to "Invincible").	-	6	13	5 Nov. "	7 Nov. 1874	Malta	-	582	8	2	-	10
Steam Pinnace, No. 19 (attached to "Sultan").	-	6	13	31 Mar. "	7 Nov. "	Portsmouth	-	284	23	43	13	284
Steam Pinnace, No. 20 (attached to "Excellent").	-	6	13	27 July "	20 Mar. 1875	Portsmouth	-	284	23	15	-	38
Steam Pinnace No. 21 (attached to "Duke of Wellington").	-	6	13	23 Mar. "	20 Feb. "	Portsmouth	-	284	23	37	10	50

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No. 2.—WEAR AND TEAR AND MAINTENANCE OF THE FLEET, IN COMMISSION AND IN RESERVE, including REPAIRS, REFITS, ALTERATIONS, WORKS, &c.—*continued.*

NAME OF SHIP.	Number of Guns.	Horse Power.	Tonnage.	Periods within which the Expense was Incurred.		Dockyards at which the Expense has been Incurred.	Page of Detailed Abstract.	EXPENDITURE INCURRED DURING THE YEAR 1874-75.							REMARKS.			
				From	To			Value of Materials Issued.	Wages.	Payments to Con- tractors, &c. Made and Allowed at Admiralty.	Stores Issued from one Ship to another.	Gross Total, excluding Incidental and Establish- ment Charges.	Value of Materials Returned.	Net Total, excluding Incidental and Establish- ment Charges.		Incidental and Establish- ment Charges.	Total Expense, inclusive of Incidental and Establish- ment Charges.	
NOT IRON CLAD—continued.																		
IN COMMISSION—continued.																		
Steam Pinnace, No. 24 (attached to "Lord Warden").	-	6	13	-	On the 4th August 1874	Malta	582	£.	4	—	£.	—	£.	4	£.	4	£.	
Steam Pinnace, No. 30 (at- tached to "Valorous").	-	4½	8	26 May 1874	11 Jan. 1875	Devonport	387	—	33	—	—	—	33	—	33	—		
Steam Pinnace, No. 31 (at- tached to "Favorite").	-	4½	7	3 July "	11 Mar. "	Sheerness	195	78	62	—	—	—	140	14	126	—		
Steam Pinnace, No. 32 (at- tached to "Swiftsure").	-	6	13	28 April "	6 June 1874	Malta	582	2	1	—	—	—	3	—	3	—		
Steam Pinnace, No. 33 (attached to "Doris").	-	6	13	14 Sept. "	11 Nov. "	Devonport	387	20	5	—	—	—	25	4	21	—		
Steam Pinnace, No. 34 (Ten- der to "Newcastle").	-	6	13	4 April "	25 April "	Sheerness	196	47	45	—	—	—	92	5	87	—		
Steam Pinnace, No. 39 (at- tached to "Minotaur").	-	6	13	11 May "	13 Feb. 1875	Portsmouth	285	—	3	—	—	—	3	—	3	—		
Steam Pinnace, No. 40 (attached to "Chal- lenger").	-	6	13	-	On the 20th April 1874 - 1 April 1874 30 June 1874	Sydney - Other than H. M. Yards, Sec. 1.	600 652	—	6	—	79	—	6	—	6	—		
Steam Pinnace, No. 42 (attached to "Pearl").	-	4½	8	-	On the 10th July 1874 - 1 April 1874 30 June 1874	Sydney - Other than H. M. Yards, Sec. 1.	600 652	—	2	—	13	—	2	—	2	13		
Steam Pinnace, No. 43 (at- tached to "Barracouta").	-	4½	8	22 May "	18 July "	Sheerness	196	59	18	—	—	—	77	2	75	—		
Steam Pinnace, No. 46 (at- tached to "Porcupine").	-	4½	8	5 Sept. "	14 Sept. "	Sheerness	196	11	3	—	—	—	14	—	14	—		
Steam Pinnace, No. 47 (at- tached to "Britannia").	-	6	6	17 Aug. "	16 Jan. 1875	Devonport	387	5	18	—	—	—	23	—	23	—		
Steam Pinnace, No. 49 (attached to "Victor Emmanuel").	-	6	12	4 May "	4 July 1874	Portsmouth	285	9	5	—	—	—	14	—	14	—		
Steam Pinnace, No. 50 (attached to "London").	-	6	19	8 May "	1 June "	Devonport	387	—	27	—	—	—	27	—	27	—		
Steam Pinnace, No. 53 (attached to "Devas- tation").	-	4½	8	1 Feb. 1875	6 Feb. 1875	Portsmouth	285	—	3	—	—	—	3	—	3	—		

Supply (Iron S. Store Ship).	2	80 (265)	638 (1,100)	11 Aug. 1874	16 Sept. 1874	Cape of Good Hope. Other than H. M. Yards, Sec. 1.	515	477	282	—	—	759	204	555
				1 July	30 Sept.	Ditto - Sec. 2.	653	—	—	319	—	319	—	319
				4 July	23 Feb. 1875	Ditto - Sec. 2.	671	—	—	—	Cr. 9	Cr. 9	—	9
Swallow (Twin Screw Gun Vessel).	3	160 (592)	664 (744)	24 Nov.	14 Jan.	Bermuda -	500	335	91	—	—	426	50	376
				25 June	8 Aug. 1874	Jamaica -	564	313	61	—	—	374	27	347
				—	On the 11th June 1874	Other than H. M. Yards, Sec. 2.	671	—	—	—	1	1	—	1
Swinger (S. Gunboat) -	4	60 (461)	295 (430)	11 July 1874	15 Mar. 1875	Hong Kong -	549	269	56	—	—	325	6	319
				1 April	31 Mar.	Shanghai -	593	17	—	—	—	17	18	1
				1 April	30 Sept. 1874	Other than H. M. Yards, Sec. 2.	653	—	—	5	—	5	—	5
Sylvia (Surveying Vessel).	3	180 (659)	695 (877)	15 May	16 Mar. 1875	Hong Kong -	550	656	70	—	—	726	85	641
				1 April	31 Mar.	Other than H. M. Yards, Sec. 1.	653	—	—	39	—	39	—	39
				—	On the 20th May 1874	Ditto - Sec. 2.	671	—	—	—	Cr. 2	Cr. 2	—	2
Tamar (S. Troop Ship) -	2	500 (1,869)	2,812 (4,857)	22 June 1874	27 Feb. 1875	Portsmouth -	285	471	148	—	—	619	25	594
				23 Mar.	19 Mar.	Devonport -	388	4,357	3,199	—	—	7,556	1,092	6,464
				11 Dec.	19 Dec. 1874	Gibraltar -	530	2	—	—	—	4	—	4
				19 Nov.	25 Nov.	Malta -	583	84	47	—	—	131	—	131
Teazer (Double Screw Composite Vessel).	4	120 (489)	464 (384)	17 Aug.	3 Dec.	Sheerness -	196	3	56	—	—	59	1,205	1,146
				27 Mar.	30 Mar. 1875	Hong Kong -	550	1	—	—	—	1	11	11
				13 July	16 July 1874	Malta -	583	50	4	—	—	54	—	54
				1 April	26 Aug.	Other than H. M. Yards, Sec. 1.	653	—	—	16	—	16	—	16
Tenedos (Steam Sloop) -	8	350 (2,092)	1,275 (1,755)	8 April	25 Nov.	Esquimaux -	520	1,303	24	—	—	1,327	161	1,166
				1 April	31 Mar. 1875	Other than H. M. Yards, Sec. 1.	653	—	—	421	—	421	—	421
				17 Nov.	20 Jan.	Ditto - Sec. 2.	671	—	—	—	13	13	—	13
Terrible (P. Frigate) -	19	800 (2,059)	1,850 (—)	23 Mar.	31 July 1874	Devonport -	388	1	4	—	—	5	299	294
Thalia (S. Corvette) -	6	400 (1,597)	1,459 (2,276)	7 April	16 Mar. 1875	Hong Kong -	550	3,134	419	—	—	3,553	1,019	2,534
				1 April	31 Mar.	Other than H. M. Yards, Sec. 1.	653	—	—	627	—	627	—	627
				31 Mar.	6 July 1874	Ditto - Sec. 2.	671	—	—	—	Cr. 1	Cr. 1	—	1
Thetis (S. Corvette) -	14	350 (2,273)	1,322 (1,570)	15 April	2 May	Trincomalee -	607	625	27	—	—	652	109	543
				1 April	31 Mar. 1875	Other than H. M. Yards, Sec. 1.	653	—	—	345	—	345	—	345
				—	—	Ditto - Sec. 2.	671	—	—	—	Cr. 2	Cr. 2	—	2
Thistle (Double Screw Composite Gun Vessel).	4	120 (641)	465 (584)	15 April 1874	4 Feb. 1875	Hong Kong -	551	3,405	704	—	—	4,109	1,381	2,728
				1 April	31 Mar.	Shanghai -	593	43	2	—	—	45	52	7
				1 April	31 Dec.	Other than H. M. Yards, Sec. 1.	653	—	—	329	—	329	—	329
				—	On the 7th March 1875	Ditto - Sec. 2.	671	—	—	—	1	1	—	1
Thrasher (S. Gunboat) -	2	60 (272)	234 (284)	2 Nov. 1874	6 Feb. 1875	Portsmouth -	285	171	21	—	—	192	4	188
				26 Mar.	10 Mar.	Sheerness -	197	9	—	—	—	9	2	7
Tiger (Coast Guard Cruiser).	—	—	18	6 July	19 Dec. 1874	Devonport -	388	5,893	2,726	—	—	8,619	1,847	7,272
				15 Mar. 1875	24 Mar. 1875	Cape of Good Hope.	515	94	—	—	—	94	—	94
				—	On the 10th Nov. 1874	Gibraltar -	530	5	—	—	—	5	—	5
				4 May 1874	7 May 1874	Malta -	583	208	1	—	—	209	70	139
				26 Mar.	12 June	Other than H. M. Yards, Sec. 2.	671	—	—	—	Cr. 2	Cr. 2	—	2

EXPENDITURE INCURRED DURING THE YEAR 1874-75.

EXPENDITURE INCURRED DURING THE YEAR 1874-75.																	
NAME OF SHIP.	Number of Guns.	Horse Power.	Tonnage.	Periods within which the Expense was incurred.		Particulars at which the Expense has been incurred.	Page of Detailed Abstract.	Value of Materials Issued.	Wages.	Payments to Contractors, &c. Made and Allowed at Admiralty.	Stores Issued from one Ship to another.	Gross Total, excluding incidental and Establishment Charges.	Value of Materials Returned.	No. Total, excluding incidental and Establishment Charges.	Incidental and Establishment Charges.	Total Expense, including incidental and Establishment Charges.	REMARKS.
				From	To												
NOT IRON CLAD—continued.																	
IN COMMISSION—continued.																	
Torch (S. Gun Vessel) -	5	80 (284)	426 (570)	31 Mar. 1874 6 May " 1875 1 April " 1875 - On the 18th March 1875	23 April 1874 16 Jan. 1875 31 Mar. " 1875 -	Gibraltar - Malta - Other than H.M. Yards, Sec. 1. Ditto - Sec. 2 -	530 583 638 672	4 747 - -	- 108 - -	- 4 - -	- - Cr. 2 -	4 855 4 Cr. 2	- 310 - -	4 545 4 2	- - - -	- - - -	
Trincomlee (Drill Ship for the Royal Naval Reserve).	15	-	1,066 (1,442)	29 May 1874 1 April " 1875	20 Mar. 1875 31 Mar. " 1875	Sheerness - Other than H.M. Yards, Sec. 1 -	197 653	84 -	- -	- 3	- -	84 3	2 -	82 3	- -	- -	
Tyrian (S. Gunboat) -	1	60 (457)	272 (330)	23 Mar. " 1874 1 Oct. " 1875 1 June " 1875	3 Dec. 1874 31 Mar. 1875 16 June 1874	Sheerness - Other than H.M. Yards, Sec. 1. Ditto - Sec. 2 -	197 653 672	266 - -	222 - -	- 2 -	- 17 -	488 2 17	64 - -	424 2 17	- - -	- - -	
Undaunted (Steam Frigate).	31	600 (2,503)	3,039 (4,020)	8 Mar. 1875	20 Mar. 1875	Sheerness -	197	3,493	1	-	-	3,494	-	3,494	-	-	
Unicorn (Drill Ship) -	10	-	1,084 (1,447)	26 June 1874 28 Mar. " 1875 - On the 4th Jan. 1875	27 Nov. 1874 31 Mar. 1875 -	Sheerness - Other than H.M. Yards, Sec. 1. Ditto - Sec. 2 -	197 653 672	109 -	- -	- 3,355 -	- 60 -	109 3,355 60	3 - -	106 3,355 60	- - -	- - -	
Valorous (P. Frigate) -	6	400 (1,445)	1,257 (-)	24 Mar. 1874 6 April " 1875	20 Mar. 1875 18 April 1874	Devonport - Other than H.M. Yards, Sec. 1.	389 653	2,086 -	17 -	- 1	- -	2,103 1	88 -	2,015 1	- -	- -	
Vestal (S. Sloop) -	9	300 (2,454)	1,081 (1,575)	22 Feb. 1875 1 Dec. 1874	27 Feb. 1875 13 Feb. " 1875	Portsmouth - Other than H.M. Yards, Sec. 1.	286 653	39 -	- -	- 7	- -	39 7	- -	39 7	- -	- -	
Vesuvius (Torpedo Vessel).	-	- (560)	- (244)	5 Oct. " 1874 20 April " 1875	6 Mar. " 1875 18 July 1874	Portsmouth - Cape of Good Hope.	286 515	196 2,375	10 1,482	- -	- -	206 3,857	9 388	197 3,469	- 3	- -	
Victor Emanuel (S. Ship)	2	600 (2,424)	3,087 (5,157)	6 Nov. " 1874 6 Nov. " 1875 8 Sept. " 1875	31 Mar. 1875 30 Jan. " 1875 20 Sept. 1874	Hong Kong - Other than H.M. Yards, Sec. 1. Ditto - Sec. 2 -	551 654 672	3,195 -	1,710 -	- 423 -	- -	4,905 423 Cr. 9	6,444 - -	4,539 423 9	- -	- -	
Victoria (Coast Guard Cruiser).	-	-	131	26 Mar. " 1874 - On the 5th March 1875 - On the 13th Aug. 1874	2 Mar. 1875 - -	Devonport - Other than H.M. Yards, Sec. 1. Ditto - Sec. 2 -	389 654 672	527 -	12 -	- 703 -	- -	539 703 2	6 -	533 703 2	- -	- -	

No. 2.—WEAR AND TEAR AND MAINTENANCE OF THE FLEET, IN COMMISSION AND IN RESERVE, including REPAIRS, REFITS, ALTERATIONS, WORKS, &c.—continued.

NAME OF SHIP.	Number of Guns.	Horse Power.	Tonnage.	Periods within which the Expense was Incurred.		Dockyards at which the Expense has been Incurred.	Page of Detailed Abstract.	EXPENDITURE INCURRED DURING THE YEAR 1874-75.							REMARKS.	
				From	To			Value of Materials Issued.	Wages.	Payments to Con- tractors, &c. Made and Allowed at Admiralty.	Gross Total, excluding Incidental and Establish- ment Charges.	Value of Materials Returned.	Net Total, excluding Incidental and Establish- ment Charges.	Incidental and Establish- ment Charges.		Total Expense, inclusive of Incidental and Establish- ment Charges.
IRON CLADS BUILT BY CONTRACT:																
IN RESERVE:																
Agincourt (S. Armour-plated Iron Ship).	28	1,350 (6,867)	6,621 (40,627)	{ 9 Nov. 1874 23 Mar. "	12 Mar. 1875 30 Jan. "	Devonport Other than H. M. Yards, Sec. I.	390 655	18 —	68 —	19,000 90	19,086 90	— —	19,086 90			
Andacious (Double Screw Iron Ship, Armour-plated).	14	800 (4,024)	3,774 (6,034)	{ 21 Mar. 18 April 7 Sept. "	{ 20 Mar. 11 July 1874 12 Sept. "	Chatham Sheerness Other than H. M. Yards, Sec. I.	136 199 655	30,667 1 —	17,315 25 —	2,155 — 1	50,137 26 1	6,281 — —	43,856 26 1			
Black Prince (S. Armour-plated Iron Ship).	28	1,250 (3,772)	6,109 (9,437)	27 April "	20 Mar. 1875	Devonport	390	17,564	23,544	—	41,108	5,141	35,967			
Cyclops (S. Armour-plated Turret Ship).	4	250 (4,660)	2,107 (3,430)	9 June "	30 Jan. "	Devonport	390	131	5	—	136	—	136			
Defence (S. Armour-plated Iron Ship).	16	600 (2,537)	3,720 (6,070)	On the 14th July 1874	—	Devonport	390	—	—	—	—	235	235			
Erebus (S. Armour-plated Iron Floating Battery).	16	200 (—)	1,954 (4,844)	22 June 1874	5 Aug. 1874	Portsmouth	289	—	11	—	11	—	11			
Hecate (S. Armour-plated Turret Ship).	4	250 (4,755)	2,107 (3,430)	22 April "	30 Jan. 1875	Devonport	390	92	8	—	100	—	100			
Hotspur (Twin Screw Iron Armour-plated Ram).	3	600 (3,497)	2,637 (4,040)	23 Mar. "	5 Mar. "	Devonport	391	127	62	—	189	5	184			
Hydra (Twin Screw Armour-plated Turret Ship).	4	250 (4,472)	2,107 (3,430)	8 April "	27 Jan. "	Devonport	391	82	48	—	130	22	108			
Minotaur (S. Armour-plated Iron Ship).	17	1,350 (6,702)	6,621 (40,627)	{ 23 Mar. 2 Nov. "	{ 20 Mar. 9 Feb. "	Portsmouth Other than H. M. Yards, Sec. I.	289 655	11,855 —	12,750 —	— 1	24,605 1	7,691 —	16,914 1			
Northumberland (S. Armour-plated Ship).	28	1,350 (6,558)	6,621 (40,584)	On the 12th March 1875	—	Devonport	391	16	—	—	16	—	16			
Prince Albert (S. Armour-plated Iron Turret Ship).	4	500 (2,428)	2,529 (3,905)	23 Mar. 1874	28 Jan. 1875	Devonport	391	477	12	—	489	4	485			

	4	350 (4,455)	1,833 (2,751)	28 Mar. "	20 Mar. "	Bermuda -	501	356	380	-	736	33	703
Scorpion (S. Armour-plated Iron Turret Ship).													
Thunder (S. Armour-plated Floating Battery).	14	150 (668)	1,469 (4,672)	-	On the 5th May 1874	Chatham -	136	-	-	-	-	2	2
Valiant (S. Armour-plated Iron Ship).	18	800 (3,560)	4,063 (6,743)	23 Mar. 1874	20 Mar. 1875	Devonport -	391	10,904	6,129	-	17,033	3,160	13,873
Viper (Twin Screw Armour-plated Iron Gunboat).	2	160 (696)	737 (1,228)	18 April "	20 Mar. "	Bermuda -	502	105	152	-	257	27	230
Vixen (Twin S. Armour-plated Iron and Wood Gunboat).	2	160 (740)	754 (1,228)	23 May "	20 Mar. "	Bermuda -	502	78	90	-	168	67	101
Warrior (S. Armour-plated Iron Ship).	32	1,250 (5,469)	6,109 (9,137)	23 Mar. "	20 Mar. "	Portsmouth -	289	4,836	4,382	-	9,218	945	8,273
Waterwitch (Hydraulic Armour-plated Iron Gunboat).	2	160 (777)	778 (1,279)	23 Mar. "	28 Nov. 1874	Devonport -	391	2,343	32	-	2,375	5	2,370
						TOTAL -	- £.	79,652	65,013	21,247	165,912	23,618	142,294
												41,504	183,798

IRON CLADS BUILT IN HER MAJESTY'S DOCKYARDS:													
IN RESERVE:													
Achilles (S. Armour-plated Iron Ship).	16	1,250 (5,722)	6,121 (9,694)	23 Mar. 1874	20 Mar. 1875	Devonport -	392	26,530	23,338	-	49,868	5,242	44,626
Enterprise (S. Armour-plated Sloop).	4	160 (692)	993 (1,530)	-	On the 10th February 1875 -	Chatham -	137	2	-	-	2	-	2
Hercules (S. Armour-plated Iron Ship).	14	1,200 (8,529)	5,324 (8,677)	13 Feb. 1875	20 Mar. 1875	Portsmouth -	290	1,366	-	-	1,366	-	1,366
Lord Clyde (S. Armour-plated Ship).	18	Late 1,000 (6,064)	4,067 (7,842)	23 Mar. 1874	20 Mar. "	Devonport -	392	2,847	1,880	-	4,727	11,981	7,254
Monarch (S. Armour-plated Turret Ship).	7	1,100 (7,842)	5,102 (8,322)	23 Mar. "	20 Mar. "	Portsmouth -	290	5,107	2,283	-	7,300	516	6,874
Ocean (S. Armour-plated Ship).	24	1,000 (4,244)	4,047 (6,832)	20 April "	25 July 1874	Devonport -	392	-	19	-	19	498	479
Penelope (S. Armour-plated Iron Ship).	11	600 (4,703)	3,096 (4,594)	23 Nov. "	23 Mar. 1875	Devonport -	392	-	5	8,931	8,986	-	8,986
Royal Oak (S. Armour-plated Ship).	24	800 (3,704)	4,056 (6,366)	13 April "	5 Dec. 1874	Portsmouth -	290	-	4	-	4	309	305

IRON CLADS BUILT IN HER
MAJESTY'S DOCKYARDS:

IN RESERVE:

Achilles (S. Armour-plated Iron Ship).	16	1,250 (5,722)	6,121 (9,694)
Enterprise (S. Armour-plated Sloop).	4	160 (692)	993 (4,350)
Hercules (S. Armour-plated Iron Ship).	14	1,200 (8,339)	5,324 (3,677)
Lord Clyde (S. Armour-plated Ship).	18	Late 1,000 (6,064)	4,067 (7,823)
Monarch (S. Armour-plated Turret Ship).	7	1,100 (7,842)	5,102 (8,922)
Ocean (S. Armour-plated Ship).	24	1,000 (4,244)	4,047 (6,832)
Penelope (S. Armour-plated Iron Ship).	11	600 (4,703)	3,096 (4,394)
Royal Oak (S. Armour-plated Ship).	24	800 (3,704)	4,056 (6,366)

NAME OF SHIP.	Number of Guns.	Horse Power.	Tonnage.	Periods within which the Expense was Incurred.		Dockyards at which the Expense has been Incurred.	EXPENDITURE INCURRED DURING THE YEAR 1874-75.						REMARKS.	
				From	To		Value of Materials Issued.	Wages.	Payments to Con- tractors, &c. Made and Allowed at Admiralty.	Gross Total, excluding Incidental and Establish- ment Charges.	Value of Materials Returned.	Net Total, excluding Incidental and Establish- ment Charges.		Incidental and Establish- ment Charges.
IRON CLADS BUILT IN HER MAJESTY'S DOCKYARDS—contd.														
IN RESERVE—continued.														
Royal Sovereign (S. Ar- mour-plated Turret Ship).	5	800 (2,436)	3,705 (5,080)	5 April 1874	17 Oct. 1874	Portsmouth	—	5	—	—	5	—	—	—
Rupert (S. Armour-plated Ram and Turret Ship).	4	700 (4,200)	3,150 { (5,254)	2 April 23 Mar.	21 Nov. 23 May	Chatham - Other than H.M. Yards, See I.	92 —	3 —	— 7	95 7	— —	95 7	— —	— —
TOTAL - - - £.							35,944	27,537	8,938	72,419	18,546	53,873	18,056	71,929
NOT IRON CLAD:														
IN RESERVE:														
Active (S. Iron Corvette cased with wood).	10	600 (4,015)	2,322 (3,078)	23 Mar. 1874	18 April 1874	Portsmouth	—	3	—	—	3	—	—	—
Adventure (S. Troop Ship).	2	400 (1,227)	1,794 (2,510)	23 Mar.	8 July	Chatham	3,548	96	—	3,644	97	3,547	—	—
Alert (S. Sloop) - -	4	60 (342)	751 { (4,045)	7 Dec. 5 Oct. 8 Feb. 1875	20 Mar. 1875 20 Feb. 30 Mar.	Portsmouth Devonport Other than H.M. Yards, See I.	16,889 454 —	13,120 205 —	— — 3,504	30,009 659 3,501	3,657 842 —	26,352 783 3,504	—	—
Anson (S. Line-of-Battle Ship).	73	800 (3,583)	3,330 (5,260)	30 Mar. 1874	23 Feb.	Sheerness	309	242	—	551	31	520	—	—
Ant (Iron Gunboat)	1	28 (213)	245 (254)	23 Mar.	20 Mar.	Portsmouth	43	47	—	90	—	90	—	—
Arethusa (S. Frigate)	-	500 (3,465)	3,141 { (3,832)	23 Mar. 21 Sept.	20 Mar. 20 Mar.	Chatham Sheerness	77 —	418 1	— —	495 1	4,240 374	3,765 373	—	—
Argus (Sloop)	5	300 (764)	981 (—)	6 April	25 July 1874	Portsmouth	—	19	—	19	—	19	—	—
Ariadne (S. Frigate)	26	800 (3,560)	3,214 (4,559)	23 Mar.	20 Mar. 1875	Portsmouth	33	28	—	61	402	434	—	—

Ship.	73	800 (3,732)	3,318 (5,260)	11 June "	10 Feb. "	Chatham -	138	111	—	—	111	—	111
Atlas (S. Line-of-Battle Ship).													
Badger (S. Gunboat)	1	28 (139)	245 (254)	23 Mar. "	20 Mar. "	Portsmouth	291	21	32	1	53	1	52
Barrosa (S. Corvette)	17	400 (1,616)	1,700 (2,431)	30 Mar. " 23 Nov. "	25 April 1874 28 Nov. "	Chatham - Other than H.M. Yards, Sec. 1.	138 655	—	4	—	4 3	—	4 3
Basilisk (P. Sloop)	5	400 (1,033)	1,031 (—)	4 Jan. 1875 12 Dec. 1874	6 Feb. 1875 16 Jan. "	Chatham - Sheerness -	138 200	3 105	70 30	—	73 135	—	73 135
Bee (P. Tender)	—	10	42	- On the 21st September 1874 -		Sheerness -	200	—	—	1	—	—	4
Black Eagle (P. Yacht)	—	Late 260 (915)	540 (—)	28 Sept. 1874	19 Dec. 1874	Portsmouth	292	—	7	55	7	—	43
Blazer (Twin Screw Gunboat).	1	28 (266)	245 (254)	23 Mar. "	20 Mar. 1875	Portsmouth	292	11	36	—	47	—	47
Bloodhound (Twin Screw Gunboat).	1	28 (214)	245 (254)	23 Mar. "	20 Mar. "	Portsmouth	292	6	32	—	38	—	38
Bonetta (Twin Screw Gunboat).	1	28 (253)	245 (254)	23 Mar. "	20 Mar. "	Portsmouth	292	7	33	1	40	—	39
Boschawen (late "Tralfalgar").	20	Late 500 (2,275)	2,900 (4,579)	23 Mar. "	13 Mar. "	Portsmouth	292	4,981	293	520	5,274	—	4,754
Bristol (Drill Ship)	28	600 (2,088)	3,027 (4,020)	8 June "	31 Oct. 1874	Portsmouth	292	—	4	9	4	—	5
Britomart (S. Gunboat)	2	60 (277)	270 (330)	9 May "	6 Mar. 1875	Devonport	393	2	40	2	42	—	40
Bulldog (S. Gunboat)	1	28 (266)	245 (254)	23 Mar. "	13 Mar. "	Portsmouth	293	21	44	—	65	1	64
Bullfinch (S. Gun Vessel)	3	160 (985)	664 (774)	- On the 23rd June 1874 23 Mar. 1874	20 Oct. 1874	Devonport - Sheerness	99 200	1 3,279	— 1,819	— 389	1 5,098	—	1 4,709
Bustard (S. Gunboat)	1	28 (187)	245 (254)	23 Mar. "	20 Mar. 1875	Portsmouth	293	15	27	1	42	—	41
Buzzard (P. Sloop)	2	300 (853)	980 (—)	7 Dec. " 30 Dec. "	26 Jan. " 20 Mar. "	Devonport - Other than H.M. Yards, Sec. 1.	393 655	—	8	—	8 7	—	3 7
Cadmus (S. Corvette)	17	400 (1,534)	1,466 (2,187)	18 Nov. "	22 Jan. "	Devonport	393	199	124	8	323	—	315
Chanticleer (S. Sloop)	7	200 (694)	950 (1,965)	24 Aug. " 6 Mar. 1875	20 Mar. " 11 Mar. "	Chatham - Sheerness -	138 200	3	4 1	1 14	7 43	—	6 43
Cherub (S. Gunboat)	2	60 (226)	268 (336)	3 Aug. 1874 - On the 11th February 1875 -	21 Nov. 1874 15 Feb. 1875	Chatham - Sheerness	138 200	—	5	— 6	5 6	—	5 6
Clio (S. Corvette)	13	400 (1,509)	1,472 (3,306)	23 Mar. 1874	12 Dec. 1874	Chatham	139	51	22	—	73	—	73
Columbine (S. Sloop)	3	150 (598)	672 (913)	1 June " 16 May " 30 Nov. "	2 Jan. 1875 11 June 1874 5 Dec. "	Chatham - Sheerness - Portsmouth	139 201 293	19 147	94 13 5	— 37	113 160 5	—	113 123 5

NAME OF SHIP.	Number of Guns.	Horse Power.	Tonnage.	Periods within which the Expense was Incurred.		Dockyards at which the Expense has been Incurred.	Page of Detailed Abstract.	EXPENDITURE INCURRED DURING THE YEAR 1874-75.							REMARKS.	
				From	To			Value of Materials Issued.	Wages.	Payments to Con- tractors, &c. Made and Allowed at Admiralty.	Gross Total, excluding Incidental and Establish- ment Charges.	Value of Materials Returned.	Net Total, excluding Incidental and Establish- ment Charges.	Incidental and Establish- ment Charges.		Total Expense, inclusive of Incidental and Establish- ment Charges.
NOT IRON CLAD—continued.																
IN RESERVE—continued.																
Conqueror (S. Line-of-Ship).	-	Late 560 (1,947)	2,845 (4,579)	-	On the 20th March 1875	Sheerness	201	£.	—	£.	—	£.	29	£.	£.	
Constance (S. Frigate)	35	500 (2,267)	3,213 (3,832)	-	On the 23rd January 1875	Devonport	393	—	3	—	3	—	3	—	—	
Cossack (S. Corvette)	16	250 (870)	1,996 (4,954)	10 Feb. 1875 8 Mar. "	20 Mar. 1875 13 Mar. "	Chatham.- Sheerness	139 201	1	6 1	—	7 1	— 30	7 29	—	—	
Cracker (Composite Gun Vessel).	4	120 (528)	467 (584)	25 May 1874	30 May 1874	Portsmouth	293	—	1	—	1	—	1	—	—	
Cuckoo (Twin Screw Gun-boat).	1	28 (483)	245 (254)	23 Mar. "	20 Mar. 1875	Portsmouth	293	57	74	—	131	—	131	—	—	
Cygnet (Composite Gun-boat).	4	60 (—)	(—) 440	14 Dec. "	16 Jan. "	Portsmouth	293	16	88	—	104	—	104	—	—	
Danæ (S. Sloop)	6	350 (2,039)	1,287 (4,755)	6 July "	2 Jan. "	Portsmouth	293	30	290	—	320	3,049	2,729	—	—	
Defiance (S. Ship)	30	800 (3,550)	3,475 (5,270)	11 May "	18 Mar. "	Devonport	393	178	5	—	183	1	182	—	—	
Diadem (S. Frigate)	22	800 (2,979)	2,483 (2,803)	4 May "	20 Feb. "	Portsmouth	294	—	5	—	5	—	5	—	—	
Discovery (Arctic Ship)	-	96	556	30 Nov. "	20 Mar. "	Portsmouth	294	9,415	8,576	—	18,091	1,543	16,548	—	—	
Donegal (S. Line-of-Battle Ship).	18	800 (3,403)	3,245 (5,434)	23 Mar. "	20 Mar. "	Portsmouth	294	11	66	—	77	145	63	—	—	
Dromedary (Troop Store Ship).	-	180 (640)	1,122 (—)	6 July "	24 Oct. 1874	Portsmouth	294	31	265	—	296	1,034	733	—	—	
Dryad (S. Sloop)	9	300 (1,464)	1,086 (4,574)	23 Mar. "	10 Dec. "	Devonport	393	14,932	7,949	—	22,881	2,196	20,685	—	—	
Earliest (S. Gunboat)	1	60 (438)	236 (484)	14 Dec. "	19 Dec. "	Portsmouth	295	—	1	—	1	—	1	—	—	
Endymion (S. Frigate)	22	500 (4,620)	2,486 (3,497)	25 July "	29 Sept. "	Sheerness	201	714	736	—	1,450	118	1,332	—	—	

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No. 2.—WEAR AND TEAR AND MAINTENANCE OF THE FLEET, IN COMMISSION AND IN RESERVE, including REPAIRS, RETIFS, ALTERATIONS, WORKS, &c.—continued.

NAME OF SHIP.	Number of Guns.	Horse Power.	Tonnage.	Periods within which the Expense was Incurred.		Dockyards at which the Expense has been Incurred.	Page of Detailed Abstract.	EXPENDITURE INCURRED DURING THE YEAR 1874-75.							REMARKS.
				From	To			Value of Materials Issued.	Wages.	Payments to Con- tractors,&c., Made and Allowed at Admiralty.	Gross Total, excluding Incidental and Establish- ment Charges.	Value of Materials Returned.	Net Total, excluding Incidental and Establish- ment Charges.	Incidental and Establish- ment Charges.	
NOT IRON CLAD—continued.															
IN RESERVE—continued.															
Kite (Twin Screw Gun-boat).	1	28 (187)	245 (234)	23 Mar. 1874	20 Mar. 1875	Portsmouth	297	12	43	—	55	1	54		
Lapwing (Double-screw Gun Vessel).	3	160 (882)	663 (774)	23 Mar. "	19 Dec. 1874	Devonport	395	5,083	3,766	2,959	11,808	1,348	10,460		
Lee (S. Gun Vessel)	5	80 (331)	431 (370)	7 July 4 Feb. 1875	10 Feb. 1875 17 Mar. "	Chatham - Sheerness.	140 202	3 3	6 69	— —	9 72	— 545	9 473		
Liffey (S. Frigate)	28	600 (4,905)	2,654 (3,945)	4 June 1874 23 Mar. "	20 Mar. " 4 April 1874	Devonport - Other than H. M. Yards, Sec. 1.	305 655	3 —	7 —	— 3	10 3	63 —	53 3		
Liverpool (S. Frigate)	28	600 (4,935)	2,656 (3,945)	20 April "	19 June "	Devonport	395	—	10	—	10	4	6		
London (S. Ship)	2	500 (4,804)	2,687 (4,375)	23 Mar. "	8 Aug. "	Devonport	395	4,146	1,774	—	5,920	3,751	2,169		
Lucifer (P. Tender)	—	180 (480)	387 (—)	31 Mar. "	14 Nov. "	Portsmouth	297	—	—	—	—	165	465		
Lynx (Twin Screw Gun Vessel).	4	120 (326)	464 (584)	10 Aug. "	20 Mar. 1875	Devonport	396	5,753	4,931	—	10,684	1,558	9,126		
Lyra (S. Sloop)	7	60 (220)	488 (675)	22 June "	10 Feb. "	Portsmouth	297	—	5	—	5	—	5		
Magnet (S. Gunboat)	2	60 (267)	238 (284)	13 April "	25 Sept. 1874	Chatham	140	—	3	—	4	14	40		
Marlborough (S. Ship)	74	800 (3,023)	4,000 (6,300)	6 April "	6 Feb. 1875	Portsmouth	297	291	140	—	431	8	423		
Mastiff (Twin Screw Gun-boat).	1	28 (237)	245 (234)	23 Mar. "	13 Mar. "	Portsmouth	297	18	37	—	55	—	55		
Medusa (Paddlewheel Tug)	2	312	889	21 Sept. "	26 Sept. 1874	Portsmouth	297	—	—	—	—	9	9		
Melpomene (S. Frigate)	28	600 (2,774)	2,861 (3,829)	4 May "	27 Feb. 1875	Portsmouth	297	1	19	—	20	—	20		
Mersey (S. Frigate)	36	1,000 (3,878)	3,733 (5,643)	15 July "	12 Aug. 1874	Devonport	396	5	—	—	5	11	6		
Minstrel (S. Gunboat)	2	60 (243)	268 (330)	18 April "	20 Feb. 1875	Bermuda	503	27	61	—	88	211	423		
Neptune (S. Ship)	78	500 (2,002)	2,830 (4,579)	6 April "	20 Feb. "	Portsmouth	297	8	7	—	15	—	15		

	31	600 (2,354)	3,035 (4,020)	23 Mar. "	11 Jan. "	Sheerness	203	1,448	1,513	—	2,961	300	2,661
Newcastle (S. Frigate)	1	80 (325)	425 (570)	23 Mar. "	31 Oct. 1874	Chatham	140	—	2	—	2	120	118
Newport (S. Gun Vessel)	78	500 (938)	2,622 (4,375)	— On the 15th July 1874	—	Devonport	396	5	—	—	5	—	5
Nile (S. Line-of-Battle Ship)	9	300 (2,972)	1,084 (4,574)	23 Mar. 1874 20 July "	20 Mar. 1875 7 Nov. 1874	Sheerness Portsmouth	203 297	13,523 1	11,543 1	—	25,066 2	2,655 —	22,411 2
Nymphæ (S. Sloop)	—	Late 260	649	12 May "	22 Sept. "	Sheerness	203	—	—	—	—	16	16
Oberon (P. Small Vessel)	—	500 (2,445)	3,161 (3,832)	6 April "	20 Feb. 1875	Portsmouth	298	4	18	—	22	1,230	1,208
Oetavia (S. Frigate)	35	60 (—)	235 (284)	31 July "	27 Aug. 1874	Hong Kong	552	5	19	—	24	598	574
Opossum (P. Gunboat)	1	—	—	—	—	—	—	—	—	—	—	—	—
Orientes (Iron S. Troop Ship)	2	—	—	—	—	—	—	—	—	—	—	—	—
Pandora (S. Gun Vessel)	5	80 (307)	426 (570)	20 April "	13 Mar. "	Portsmouth	398	8	57	—	65	295	230
Pert (Double Screw Composite Gun Vessel)	4	120 (502)	464 (584)	10 Aug. " 25 Jan. 1875	20 Mar. 1875 30 Jan. "	Devonport Other than H.M. Yards, Sec. I.	396 655	4,580 —	3,886 —	—	8,466 1	1,115 —	7,351 1
Phæton (S. Frigate)	28	400 (1,566)	2,396 (3,999)	11 June 1874	10 Feb. "	Chatham	140	64	—	—	64	—	64
Pheasant (S. Gunboat)	2	60 (190)	235 (284)	23 Mar. "	16 May 1874	Portsmouth	299	152	211	—	363	63	300
Phœbe (S. Frigate)	28	500 (1,713)	2,896 (3,583)	9 May "	12 Aug. "	Devonport	397	—	—	—	—	78	78
Pickle (Twin Screw Gunboat)	1	28 (268)	245 (254)	23 Mar. "	20 Mar. 1875	Portsmouth	299	21	52	—	73	1	72
Pigeon (P. Gunboat)	2	60 (211)	263 (330)	23 Nov. "	20 Feb. "	Devonport	397	8	14	—	22	—	22
Pike (Twin Screw Gunboat)	1	28 (245)	245 (254)	23 Mar. 1875	13 Mar. "	Portsmouth	299	26	52	—	78	—	78
Plover (Double Screw Gun Vessel)	3	160 (977)	663 (774)	11 June 1874 10 Aug. "	8 Aug. 1874 20 Mar. 1875	Chatham Portsmouth	140 300	53 188	6 657	—	59 845	— 1,146	59 301
Pylades (S. Corvette)	17	350 (1,014)	1,278 (2,021)	2 Nov. " 6 Mar. 1875	6 Mar. 1875 13 Mar. "	Other than H.M. Yards, Sec. I. Sheerness	655 140 203	— 1 —	— 32 2	26 —	26 33 2	— — 25	26 33 23
Racer (Sloop)	9	—	579 (798)	21 Sept. 1874	30 Jan. "	Portsmouth	300	—	—	—	—	219	219
Ragoon (S. Corvette)	18	400 (1,634)	1,467 (2,306)	21 Sept. "	19 Dec. 1874	Devonport	397	—	20	—	20	—	20
Rainbow (S. Gunboat)	—	60 (156)	235 (284)	—	—	Sheerness	203	—	2	—	2	—	2
Rattlesnake (S. Corvette)	17	1,705 (4,628)	1,705 (2,431)	23 Mar. 1874	6 Feb. 1875	Devonport	397	5	29	—	34	4	30
Rinaldo (S. Sloop)	7	200 (752)	951 (1,365)	30 June "	20 Feb. "	Portsmouth	300	18	44	—	62	955	893
Rocket (Double Screw Composite Gun Vessel)	4	120 (632)	464 (584)	23 Mar. "	26 Feb. "	Sheerness	204	4,823	4,523	—	9,316	759	8,587

EXPENDITURE INCURRED DURING THE YEAR 1874-75.										REMARKS.						
NAME OF SHIP.	Number of Guns.	Horse Power.	Tonnage.	Periods within which the Expense was Incurred.		Dockyards at which the Expense has been Incurred.	Page of Detailed Abstract.									
				From	To			Value of Materials Issued.	Wages.		Payments to Contractors, &c., Allowed at Admiralty.	Gross Total, excluding Incidental and Establish- ment Charges.	Value of Materials Returned.	Net Total, excluding Incidental and Establish- ment Charges.	Incidental and Establish- ment Charges.	Total Expense, inclusive of Incidental and Establish- ment Charges.
NOT IRON CLAD—continued.																
IN RESERVE—continued.																
Rodney (S. Ship) -	72	500 (2,216)	2,770 (4,575)	6 April 1874	8 Aug. 1874	Portsmouth	300	6	12	—	18	—	18	—	—	£.
Royal Albert (S. Ship) -	107	500 (4,805)	3,726 (5,637)	11 April "	29 Jan. 1875	Devonport	357	175	—	—	175	—	175	—	—	£.
Royalist (S. Sloop) -	3	150 (627)	669 (913)	6 April 23 Jan. 1875	20 Mar. 23 Feb. "	Chatham - Sheerness "	141 204	225 —	960 8	—	1,185 8	1,406 2	224 6	—	—	£.
St. George (Line-of-Battle Ship).	73	500 (4,730)	2,864 (4,579)	- On the 24th February 1875 -		Devonport	397	—	—	—	—	2	2	—	—	£.
Salamis (P. Despatch Ves- sel).	2	250 (1,440)	835 (985)	25 May 1874	22 Aug. 1874	Devonport	397	10	32	—	42	—	42	—	—	£.
Scourge (Twin Screw Gunboat).	1	28 (253)	245 (263)	23 Mar. "	20 Mar. 1875	Portsmouth	300	7	15	—	22	—	22	—	—	£.
Seylla (S. Corvette) -	16	400 (4,376)	1,467 (2,187)	7 July "	10 Feb. "	Chatham -	141	4	—	—	4	—	4	—	—	£.
Severn (S. Frigate) -	28	500 (2,092)	2,767 (3,485)	20 April "	11 June 1874	Chatham -	141	10	1	—	11	1	10	—	—	£.
Shah (S. Frigate) -	26	1,000 (7,500)	4,210 (5,700)	20 April "	27 Feb. 1875	Portsmouth	301	77	—	—	77	70	7	—	—	£.
Sirtius (S. Sloop) -	12	330 (2,334)	1,268 (4,755)	6 July 23 Mar. "	9 Jan. 20 Mar. "	Portsmouth Devonport	301 397	— 9,254	1 8,096	— 6,850	1 24,200	296 3,379	295 20,821	—	—	£.
Skylark (Gunboat) -	1	60 (263)	236 (284)	21 Sept. "	26 Sept. 1874	Portsmouth	301	—	—	—	—	13	43	—	—	£.
Snake (Twin Screw Gun- boat).	1	28 (225)	245 (254)	23 Mar. "	20 Mar. 1875	Portsmouth	301	3	17	—	20	—	20	—	—	£.
Snapp (Twin Screw Gun- boat).	1	28 (253)	245 (254)	23 Mar. "	13 Mar. "	Portsmouth	301	19	39	—	58	1	57	—	—	£.
Spanker (S. Gunboat) -	2	60 (210)	234 (284)	6 April "	11 Aug. 1874	Chatham -	141	1	6	—	7	21	44	—	—	£.
Speedwell (S. Gun Vessel)	5	80 (322)	428 (570)	7 July 4 Feb. 1875	27 Feb. 1875 20 Mar. "	Chatham - Sheerness -	141 204	9 —	2 6	—	11 6	— 35	11 29	—	—	£.
Speedy (S. Gunboat) -	2	60 (218)	273 (330)	20 April 1874	24 Oct. 1874	Portsmouth	301	7	—	—	7	—	7	—	—	£.
Sphinx (P. Sloop) -	5	500 (4,169)	1,061 (—)	7 Sept. "	5 Oct. "	Devonport	397	3	13	—	16	—	16	—	—	£.

Sprightly (P. Tender)	100 (214)	234 (—)	27 April	2 May	Portsmouth	301	—	—	—	—	13	43
Staunch (S. Gunboat)	1	200 (180)	31 Mar.	27 Feb. 1875	Portsmouth	301	657	125	—	—	15	767
Steam Cutter, No. 11 (at- tached to "Himalaya").	—	3	13 April	5 Nov. 1874	Devonport	398	13	24	147	2	2	182
Steam Cutter, No. 13	—	2	15 May	12 June	Hong Kong	552	15	10	—	—	—	25
Steam Cutter, No. 22 (at- tached to "Fly").	—	2½	27 July	14 Nov.	Portsmouth	301	2	12	—	—	—	14
Steam Cutter, No. 23 (Ten- der to "Audacious").	—	2½	3 Sept.	10 Oct.	Chatham	142	1	4	—	—	—	5
Steam Cutter, No. 24 (in Store).	—	4	2 Nov.	7 Nov.	Portsmouth	302	—	1	—	—	—	1
Steam Cutter, No. 25 (Harbour Service).	—	4	13 April	27 June	Portsmouth	302	2	4	—	—	—	6
Steam Cutter, No. 30 (at- tached to "Sapphire").	—	3	23 Mar.	4 July	Portsmouth	302	3	2	—	2	3	3
Steam Cutter, No. 31 (at- tached to "Diamond").	—	3	9 Jan. 1875 8 June 1874	20 Mar. 1875 8 Aug. 1874	Sheerness Portsmouth	204 302	— 20	6 38	—	—	—	6 56
Steam Cutter, No. 32 (at- tached to "Adventure").	—	3	22 June	4 July	Portsmouth	302	4	8	—	—	—	12
Steam Cutter, No. 34 (at- tached to "Druid").	—	2½	27 April	5 Sept.	Portsmouth	302	6	17	—	1	22	22
Steam Cutter, No. 35 (at- tached to "Sirius").	—	2½	18 May	5 Sept.	Portsmouth	302	4	9	—	1	12	12
Steam Cutter, No. 36 (at- tached to "Vigilant").	—	2½	18 May	19 Sept.	Portsmouth	303	9	21	—	—	—	30
Steam Cutter, No. 37 (at- tached to "Flying Fish").	—	2½	22 June	15 Aug.	Portsmouth	303	4	14	—	—	—	18
Steam Cutter, No. 38 (at- tached to "Dryad").	—	2½	22 June	8 Aug.	Portsmouth	303	3	7	—	2	8	8
Steam Cutter, No. 40 (at- tached to "Sapphire").	—	2½	7 Sept.	10 Oct.	Portsmouth	303	5	11	—	—	—	16
Steam Cutter, No. 41 (at- tached to "Egeria").	—	2½	21 Sept.	17 Oct.	Portsmouth	303	3	5	—	—	—	8
Steam Cutter, No. 42 (at- tached to "Daring").	—	2½	14 Sept.	21 Nov.	Portsmouth	303	5	17	—	—	—	22
Steam Cutter, No. 43 (at- tached to "Nymph").	—	2½	5 Dec. 5 Oct.	6 Mar. 1875 21 Nov. 1874	Sheerness Portsmouth	204 303	45 3	25 8	—	—	—	71 11
Steam Cutter, No. 44 (at- tached to "Vestal").	—	2½	2 Nov.	16 Jan. 1875	Portsmouth	304	3	9	—	—	—	12
Steam Cutter, No. 45 (at- tached to "Nassau").	—	2½	2 Nov.	16 Jan.	Portsmouth	304	2	7	—	—	—	9
Steam Cutter, No. 46 (at- tached to "Wolverine").	—	2½	9 Nov.	6 Feb.	Portsmouth	304	2	6	—	—	—	8
Steam Cutter, No. 47	—	2½	8 Feb. 1875	27 Feb.	Portsmouth	304	1	8	—	—	—	9
Steam Cutter, No. 48	—	2½	22 Feb.	6 Mar.	Portsmouth	304	1	6	—	—	—	7
Steam Cutter, No. 52 (at- tached to "Rover").	—	3	5 Oct. 1874	17 Oct. 1874	Portsmouth	304	2	7	—	—	—	9
Steam Cutter, No. 56 (at- tached to "Enchantress").	—	1½	18 Jan. 1875	20 Mar. 1875	Portsmouth	304	19	42	—	—	—	61
Steam Cutter, No. 57 (at- tached to "Magicienne").	—	3	8 Feb.	20 Mar.	Portsmouth	304	10	14	—	3	22	22

NAME OF SHIP.	Number of Guns.	Horse Power.	Tonnage.	Periods within which the Expense was Incurred.		Dockyards at which the Expense has been Incurred.	Page of Detailed Abstract.	EXPENDITURE INCURRED DURING THE YEAR 1874-75.							REMARKS.			
				From	To			Value of Materials Issued.	Wages.	Payments to Con- tractors, &c., Made and Allowed at Admiralty.	Gross Total, excluding Incidental and Establish- ment Charges.	Value of Materials Returned.	Net Total, excluding Incidental and Establish- ment Charges.	Incidental and Establish- ment Charges.		Total Expense, inclusive of Incidental and Establish- ment Charges.		
NOT IRON CLAD—continued.																		
IN RESERVE—continued.																		
Steam Launch, No. 10 (attached to "Lord Clyde").	-	6	23	30 April 1874	20 Mar. 1875	Chatham	142	466	4	-	470	19	451	-	£.	£.		
Steam Launch, No. 23	-	6	22	19 Dec. "	25 Feb. "	Devonport	305	-	-	-	-	212	292	-	212	292		
Steam Launch, No. 21	-	6	23	18 April "	20 Nov. 1874	Hong Kong	552	69	50	-	119	5	114	-	5	114		
Steam Launch, No. 26 (attached to "Zealous").	-	6	23	4 Jan. 1875	9 Jan. 1875	Portsmouth	304	12	-	-	12	-	12	-	-	12		
Steam Launch, No. 27 (attached to "Royal Alfred").	-	6	23	-	On the 25th August 1874	Devonport	398	4	-	-	4	-	4	-	-	4		
Steam Launch, No. 30 at- tached to "Excellent").	-	6	22	30 Nov. 1874	20 Mar. 1875	Portsmouth	305	86	124	-	210	25	185	-	25	185		
Steam Launch, No. 45 (appropriated to "New- castle").	-	6	23	28 Mar. "	23 Oct. 1874	Sheerness	205	26	24	-	50	3	47	-	3	47		
Steam Launch, No. 48 (Torpedo Service at Sheerness).	-	6	23	7 Dec. "	20 Mar. 1875	Portsmouth	305	23	56	-	79	6	73	-	6	73		
Steam Launch, No. 61 (attached to "Liffey").	-	5	24	6 July "	20 Mar. "	Devonport	308	138	79	-	217	-	217	-	-	217		
Steam Launch, No. 65 (appropriated to "Ad- miralty").	-	6	23	29 June "	7 Nov. 1874	Devonport	398	2	8	-	10	-	10	-	-	10		
Steam Launch, No. 74 (Torpedo Service at Portsmouth).	-	6	24	11 Jan. 1875	13 Mar. 1875	Portsmouth	305	11	14	-	25	8	17	-	8	17		
Steam Launch, No. 71 (Torpedo Service at Mediterranean).	-	6	24	11 Jan. "	13 Mar. "	Portsmouth	305	12	17	-	29	2	27	-	2	27		
Steam Launch, No. 72	-	6	-	1 Mar. "	6 Mar. "	Portsmouth	305	-	2	-	2	-	2	-	-	2		
Steam Launch, No. 116 (attached to "HMS Resol- ute").	-	4	12	3 June 1874	10 Aug. 1874	Chatham	142	38	-	-	38	20	18	-	20	18		
Steam Launch, No. 9 (attached to "HMS Resol- ute").	-	6	13	23 Mar. "	20 Mar. "	Portsmouth	305	45	12	-	45	-	45	-	-	45		
Steam Launch, No. 10 (attached to "HMS Resol- ute").	-	6	13	23 Mar. "	4 July 1874	Portsmouth	305	35	15	-	50	-	50	-	-	50		
Steam Launch, No. 22 (attached to "HMS Resol- ute").	-	4	5	23 Mar. "	18 April "	Devonport	399	1	1	-	2	1	1	-	1	1		

Steam Pinnace, No. 25 (attached to "Hector").	6	13	23 Mar. "	20 Feb. 1875	Portsmouth	-	305	38	67	-	105	2	103
Steam Pinnace, No. 26	-	13	9 Nov. "	13 Feb. "	Portsmouth	-	306	14	16	-	30	-	30
Steam Pinnace, No. 30	-	8	23 Mar. "	2 Jan. "	Devonport	-	399	7	44	-	51	-	51
Steam Pinnace, No. 31 (attached to "Valorous").	-	13	20 Aug. "	3 Sept. 1874	Sheerness	-	205	6	30	-	36	1	35
Steam Pinnace, No. 35 (appropriated to "Undaunted").	-	13	28 Mar. "	20 Mar. 1875	Sheerness	-	205	88	142	-	230	-	230
Steam Pinnace, No. 36 (at- tached to "Warrior").	-	13	30 June "	20 Mar. "	Portsmouth	-	306	33	92	-	125	3	122
Steam Pinnace, No. 30 (Torpedo Committee).	-	13	20 July "	20 Mar. "	Portsmouth	-	306	23	20	-	43	-	43
Steam Pinnace, No. 44 (Tender to "Audacious").	-	13	15 June "	19 Oct. 1874	Chatham	-	142	22	28	-	50	10	40
Steam Pinnace, No. 45 (for use of Senior Officer at Singapore).	-	13	31 Mar. "	2 May "	Portsmouth	-	306	4	15	-	19	-	19
Steam Pinnace, No. 49 -	-	13	23 Mar. "	27 June "	Portsmouth	-	306	26	17	-	43	-	43
Steam Pinnace, No. 51 (for use of Senior Officer at Hong Kong).	-	12	8 Feb. 1875	5 Mar. 1875	Hong Kong	-	552	4	21	-	25	-	25
Steam Pinnace, No. 53 (at- tached to "Devastation").	-	13	20 April 1874	27 June 1874	Portsmouth	-	306	29	15	-	44	-	44
Steam Pinnace, No. 54	-	13	3 Jan. 1875	13 Mar. 1875	Hong Kong	-	553	17	16	-	33	6	27
Steam Pinnace, No. 55 (at- tached to "Assistance").	-	8	31 Mar. 1874	4 April 1874	Portsmouth	-	307	-	-	-	-	3	3
Steam Pinnace, No. 57 (attached to "Vernon").	-	8	18 May "	27 June "	Portsmouth	-	307	2	5	-	7	-	7
Steam Pinnace, No. 58	-	7½	13 July "	22 Aug. "	Portsmouth	-	307	2	6	-	8	-	8
Steam Pinnace, No. 59	-	13½	23 Mar. "	20 Mar. 1875	Portsmouth	-	307	63	62	-	125	3	122
Steam Pinnace, No. 60	-	13	20 July "	20 Mar. "	Portsmouth	-	307	-	1	-	1	-	1
Steam Pinnace, No. 61	-	8	4 May "	19 Sept. 1874	Portsmouth	-	307	10	11	-	21	5	16
Steam Pinnace, No. 62	-	7½	4 May "	17 Oct. "	Portsmouth	-	307	5	11	-	14	-	14
Steam Pinnace, No. 63	-	7½	10 Aug. "	17 Oct. "	Portsmouth	-	307	3	12	-	15	-	15
Steam Pinnace, No. 64	-	7½	30 Nov. "	12 Dec. "	Portsmouth	-	307	1	8	-	9	-	9
Steam Pinnace, No. 65 (at- tached to "Pomphrey").	-	7½	19 Oct. "	20 Mar. 1875	Portsmouth	-	307	1	7	-	8	-	8
Steam Pinnace, No. 67 (attached to "Hercules").	-	7½	14 Dec. "	2 Jan. "	Portsmouth	-	308	1	7	-	8	-	8
Steam Pinnace, No. 67 (attached to "Hercules").	-	13	12 Oct. "	14 Nov. 1874	Portsmouth	-	308	3	13	-	16	-	16
Steam Pinnace, No. 67 (attached to "Hercules").	-	13	7 Dec. "	20 Mar. 1875	Portsmouth	-	308	20	40	-	66	1	65
Steam Pinnace, No. 67 (attached to "Hercules").	-	-	8 Feb. 1875	20 Mar. "	Portsmouth	-	308	4	7	-	11	-	11
Work (\$, Gunboat)	-	236	20 April 1874	9 Feb. "	Portsmouth	-	308	20	308	-	114	28	80

HULKS, REPAIRING, &c.

Note.—The Figures printed in *Italics* in the Money Columns show the Amount of Net Credits for Stores, &c. returned.

REPAIRING, FITTING, &c. DURING THE FINANCIAL YEAR 1874-75.

Note.—The Figures printed in *Italics* in the Money Columns show the Amounts paid in Advance.

NAME OF SHIP.	Rate or Class of Ship.	Tonnage.	Periods within which the Expense was Incurred.		Docks, Yards at which the Expense has been Incurred.	Page of Detailed Abstract.	EXPENDITURE INCURRED DURING THE YEAR 1874-75.										REMARKS.
			From	To			Value of Materials Issued.	Wages.	Payments to Contractors, &c., Made and Allowed at Admiralty.	Gross Total, excluding Incidental and Establish- ment Charges.	Value of Materials Returned.	Net Total, excluding Incidental and Establish- ment Charges.	Incidental and Establish- ment Charges.	Total Expense, inclusive of Incidental and Establish- ment Charges.			
															£.	£.	
Actæon	6th Rate	620 (838)	11 May 1874	16 May 1874	Portsmouth	311	1	—	—	1	—	1	—	—	—	—	
Ajax (late "Vanguard")	2nd Rate	2,609 (3,542)	4 May "	31 Oct. "	Chatham	144	1	17	—	18	—	18	—	—	—	—	
			9 May "	23 May "	Sheerness	207	—	3	—	3	1	2	—	—	—	—	
Amphitrite	6th Rate	1,068 (1,447)	9 Nov. "	20 Feb. 1875	Devonport	400	3	49	—	52	755	703	—	—	—	—	
Andromache	6th Rate	717 (968)	25 Jan. 1875	19 Feb. "	Devonport	400	—	22	—	22	463	444	—	—	—	—	
Bee (attached to R. N. College, Greenwich.	Tender	42	1 Aug. 1874	15 Aug. 1874	Sheerness	207	—	5	—	5	—	5	—	—	—	—	
Bellerophon	3rd Rate	2,056 (3,307)	20 April "	13 Mar. 1875	Portsmouth	311	18	14	—	32	176	444	—	—	—	—	
Belvidera	5th Rate	946 (1,408)	20 April "	6 Feb. "	Portsmouth	311	73	52	—	125	1	124	—	—	—	—	
Brilliant	Late Drill Ship.	954 (1,408)	21 Nov. "	16 Jan. "	Sheerness	207	—	20	—	20	—	20	—	—	—	—	
Calcutta	2nd Rate	2,209 (3,590)	20 April "	18 April 1874	Portsmouth Other than H. M. Yards, Sec. 1.	311 656	444	338	—	782	47	735	1	—	—	—	
Calliope (Floating Factory)	6th Rate	720 (968)	13 April "	13 Mar. 1875	Devonport	400	792	7	—	799	512	287	—	—	—	—	
Calypso (late "Blonde")	5th Rate	1,103 (1,653)	20 July "	6 Feb. "	Portsmouth	311	60	52	—	112	1	111	—	—	—	—	
Cambrian	5th Rate	1,625 (1,822)	18 April "	2 Nov. 1874	Devonport	400	4	—	—	4	—	4	—	—	—	—	
Canopus (Receiving Hulk)	2nd Rate	2,257 (3,594)	18 April "	20 Mar. 1875	Devonport	400	173	28	—	201	40	161	—	—	—	—	
Chasseur (Floating Factory).	Late 70	543	23 Mar. "	3 Dec. 1874	Chatham	144	28	47	—	75	—	75	—	—	—	—	
Circé (attached to "Impregnable").	5th Rate	1,079 (1,447)	26 Mar. "	1 Mar. 1875	Devonport	400	156	—	—	156	—	156	—	—	—	—	
Clio	Corvette	1,472 (2,306)	2 May "	30 Sept. 1874	Sheerness	207	120	12	—	132	74	58	—	—	—	—	
Conqueror	2nd Rate	2,845 (4,579)	13 April "	18 April "	Chatham	144	—	13	—	13	—	13	—	—	—	—	

No. 3.—HULKS, REPAIRING, &c.—continued.

NAME OF SHIP.	Rate or Class of Ship.	Tonnage.	Periods within which the Expense was Incurred.		Dockyards at which the Expense has been Incurred.	Page of Detailed Abstract.	EXPENDITURE INCURRED DURING THE YEAR 1874-75.							REMARKS.		
			From	To			Value of Materials Issued.	Wages.	Payments to Con- tractors, &c., Made and Allowed at Admiralty.	Gross Total, excluding Incidental and Establish- ment Charges.	Value of Materials Returned.	Net Total, excluding Incidental and Establish- ment Charges.	Incidental and Establish- ment Charges.		Total Expense, inclusive of Incidental and Establish- ment Charges.	
Cornwall (Juvenile Re- formatory, Purfleet).	3rd Rate -	1,746 (2,917)	22 Sept. 1874	31 Oct. 1874	Sheerness -	207	£.	—	£.	—	£.	312	55	237	£.	
Creole -	6th Rate -	923 (958)	1 Feb. 1875	13 Feb. 1875	Devonport -	400	—	5	—	—	5	227	227	222	—	
Diana -	5th Rate -	1,083 (1,447)	On the 2nd November 1874 -		Chatham -	144	—	—	—	—	—	357	357	357	—	
Dreadnought -	1st Rate -	2,712 (4,482)	5 Sept. 1874	16 Feb. 1875	Chatham -	144	—	2	—	—	2	1,790	1,790	4,788	—	
Dublin (Fitting Hulk, for Reserve, Devonport).	4th Rate -	1,772 (2,504)	27 Aug. "	18 Mar. "	Devonport -	400	31	—	—	—	31	—	—	31	—	
Eurydice -	6th Rate -	921 (1,014)	28 Dec. "	20 Mar. "	Chatham -	144	3	10	—	—	13	—	—	13	—	
Flamer -	Late Gunboat	236 (284)	On the 24th July 1874 -		Hong Kong -	553	—	1	—	—	1	—	—	1	—	
Forle -	4th Rate -	2,364 (3,456)	27 Mar. 1874	12 Dec. 1874	Chatham -	144	32	72	—	—	104	4	4	100	—	
Fondroyant (attached to "Cambridge," Gunny Ship).	2nd Rate -	2,062 (3,502)	28 Mar. "	20 Mar. 1875	Devonport -	401	518	113	—	—	631	90	90	541	—	
Gloucester -	4th Rate -	1,797 (2,504)	13 July "	20 Mar. "	Chatham -	144	54	58	—	—	112	45	45	67	—	
Grampus -	4th Rate -	1,706	22 June "	4 July 1874	Portsmouth -	311	—	3	—	—	3	—	—	3	—	
Handy (late "Nymph")	5th Rate -	1,037 (1,597)	20 Jan. 1875	12 Feb. 1875	Chatham -	145	—	—	—	—	—	709	709	709	—	
Hastings -	Block Ship	1,763 (2,948)	On the 11th May 1874 -		Devonport -	401	—	—	—	—	—	1	1	1	—	
Hood -	2nd Rate -	3,038 (5,065)	23 Mar. 1874	13 Jan. 1875	Chatham -	145	—	18	—	—	18	254	254	236	—	
Hope -	Sloop -	231	2 Dec. "	12 Dec. 1874	Pembroke -	441	1	2	—	—	3	—	—	3	—	
Jackdaw (Cooking Depot for the Reserve).	Late Gunboat	233 (284)	13 April "	8 Jan. 1875	Devonport -	401	24	29	—	—	53	3	3	50	—	
Jersey -	Cutter -	70	31 Mar. "	4 April 1874	Portsmouth -	311	—	—	—	—	—	3	3	3	—	
Juno -	6th Rate -	923 (958)	6 April "	13 Mar. 1875	Portsmouth -	311	122	107	—	—	229	6	6	223	—	
Latona -	5th Rate -	1,071 (1,447)	13 Jan. 1875	12 Feb. "	Chatham -	145	—	—	—	—	—	408	408	408	—	
Laurel -	5th Rate -	1,088 (1,597)	27 April 1874	23 Jan. "	Portsmouth -	312	—	10	—	—	10	182	182	172	—	

	5th Rate	30 Nov.	2 Jan.	Devonport	401	3	11	—	14	—	14
Leda (Water Police Vessel at Devonport).	5th Rate	—	On the 1st October 1874	Other than H. M. Yards, Sec. 1.	657	—	—	3	—	—	3
Leonidas	5th Rate	1,067	23 Mar. 1874	Portsmouth	312	59	22	—	81	410	329
Melampus	5th Rate	1,089	23 Mar.	Portsmouth	312	460	11	—	471	92	379
Minerva	5th Rate	1,082	18 April	Devonport	401	25	—	—	25	—	25
Monmouth (Roman Catholic Chapel, Devonport).	5th Rate	1,171	23 Nov.	Chatham	145	5	18	—	23	—	23
Mortar Float, No. 107	—	103	23 Nov.	Chatham	145	9	26	—	35	—	35
Mortar Float, No. 118	—	102	23 Nov.	Chatham	145	18	50	—	68	12	56
Mortar Float, No. 139	—	105	25 Mar.	Sheerness	207	1,561	172	—	1,733	102	1,631
Naval Barracks	—	—	20 April	Portsmouth	312	186	287	—	473	36	437
Nettle	2nd Rate	2,279	On the 26th February 1875	Chatham	145	460	—	—	460	—	460
Oberon	Lake Paddle-wheel Steam Vessel.	649	11 Jan. 1875	Portsmouth	312	—	—	—	—	119	499
Opasum	Late Gunboat	235	1 April 1874	Other than H. M. Yards, Sec. 1.	637	—	—	40	—	—	40
Pique (Receiving Hulk)	5th Rate	1,633	7 Aug.	Hong Kong	553	278	207	—	575	337	218
Procris (Cooking Depot for the Reserve).	Late Gunboat	235	18 April	Devonport	401	9	11	—	20	—	20
Pyramus	5th Rate	920	10 April	Devonport	401	30	14	—	44	—	44
Racer	Sloop	579	2 April	Halifax	539	22	9	—	31	—	31
Rainbow	Gunboat	235	25 May	Portsmouth	313	—	—	—	—	64	64
Reolute (late Discovery Ship).	Sailing	424	22 May 1 April	Chatham	145	487	42	—	529	478	51
Royal George	Yacht	330	23 Mar.	Other than H. M. Yards, Sec. 1.	657	—	—	1,879	1,879	—	1,879
Salsette	5th Rate	902	23 Mar.	Chatham	145	—	2	—	2	—	2
Scorpion	Late Police Vessel.	228	13 April	Chatham	145	—	260	—	504	94	410
Skipjack (Cooking Depot for Reserve).	Late 60 H.P.	232	On the 2nd November 1874	Chatham	145	—	—	—	—	355	355
Swan (Church Ship)	Cutter	144	On the 12th September 1874	Devonport	401	5	—	—	5	—	5
Thunderbolt	Late Floating Battery.	1,973	25 July 1874	Sheerness	207	—	2	—	2	63	64
Vengeance (Receiving Hulk).	2nd Rate	2,284	17 April	Chatham	146	53	94	—	147	927	780
Vernon	4th Rate	2,082	23 Mar.	Devonport	401	354	19	—	373	34	339
Vigo (Receiving Hulk)	3rd Rate	1,747	23 Mar.	Portsmouth	313	376	123	—	499	78	421
Volcano	Floating Factory.	720	18 April	Devonport	401	217	8	—	225	61	164
Vologe	6th Rate	516	23 Mar.	Portsmouth	313	588	9	—	597	114	483
		(742)	On the 10th November 1874	Chatham	146	—	—	—	—	135	135

No. 3.—HULKS, REPAIRING, &c.—continued.

EXPENDITURE INCURRED DURING THE YEAR 1874-75.										REMARKS.					
NAME OF SHIP.	Rate or Class of Ship.	Tonnage.	Periods within which the Expense was Incurred.		Dockyards at which the Expense has been Incurred.	Page of Detailed Abstract.	Value of Materials Issued.	Wages.	Payments to Contractors, &c., Made and Allowed at Admiralty.	Gross Total, excluding Incidental and Establishment Charges.	Value of Materials Returned.	Net Total, excluding Incidental and Establishment Charges.	Incidental and Establishment Charges.	Total Expense, inclusive of Incidental and Establishment Charges.	REMARKS.
			From	To											
Watch Vessel, No. 6	-	168	1 April 1874	30 Sept. 1874	Other than H. M. Yards, Sec. I.	657	£.	—	£. 14	£. 14	—	£. 14	—	£.	
Watch Vessel, No. 10	-	169	1 Oct. "	31 Dec. "	Other than H. M. Yards, Sec. I.	657	—	—	2	2	—	2	—	—	
Watch Vessel, No. 11	-	358	1 Oct. "	31 Dec. "	Other than H. M. Yards, Sec. I.	657	—	—	2	2	—	2	—	—	
Watch Vessel, No. 12	Mortar Vessel, No. 43.	167	17 Sept. "	24 Oct. "	Sheerness	208	22	18	—	40	—	40	—	—	
			1 July "	30 Sept. "	Other than H. M. Yards, Sec. I.	657	—	—	1	1	—	1	—	—	
Watch Vessel, No. 13	-	168	1 Oct. "	31 Dec. "	Other than H. M. Yards, Sec. I.	657	—	—	7	7	—	7	—	—	
Watch Vessel, No. 17	Late Mortar Vessel, No. 50	169	6 April "	4 Aug. "	Chatham	146	31	72	—	103	—	103	—	—	
Watch Vessel, No. 18	Sloop	481	20 Aug. 1874	5 Dec. 1874	Sheerness	208	39	72	—	111	—	111	—	—	
Watch Vessel, No. 20	-	483	1 April "	23 Jan. 1875	Other than H. M. Yards, Sec. I.	657	—	—	41	41	—	41	—	—	
Watch Vessel, No. 22	Mortar Vessel.	169	2 Dec. "	4 Jan. "	Sheerness	208	17	12	—	29	—	29	—	—	
			1 April "	31 Mar. "	Other than H. M. Yards, Sec. I.	657	—	—	2	2	—	2	—	—	
Watch Vessel, No. 24	-	483	1 July "	31 Dec. 1874	Other than H. M. Yards, Sec. I.	657	—	—	12	12	—	12	—	—	
Watch Vessel, No. 25	Sloop	380	7 Aug. "	18 Nov. "	Chatham	146	—	—	—	—	167	167	—	—	
			10 April "	23 May "	Sheerness	208	80	7	—	87	—	87	—	—	
			On the 4th December 1874	—	Other than H. M. Yards, Sec. I.	657	—	—	44	44	—	44	—	—	
Watch Vessel, No. 26	Sloop	319	On the 28th January 1875	3 Oct. 1874	Chatham	146	—	18	—	—	56	56	—	—	
			10 April 1874	23 May 1874	Sheerness	208	55	—	—	73	31	42	—	—	
			On the 4th December 1874	—	Other than H. M. Yards, Sec. I.	657	—	—	43	43	—	43	—	—	
Watch Vessel, No. 27	Late Mortar Vessel, No. 5.	120	On the 2nd November 1874	—	Chatham	146	—	—	—	—	13	13	—	—	
			10 April 1874	23 May 1874	Sheerness	208	55	15	—	70	—	70	—	—	
			On the 4th December 1874	—	Other than H. M. Yards, Sec. I.	657	—	—	43	43	—	43	—	—	
Watch Vessel, No. 28	-	484	1 Oct. 1874	31 Dec. 1874	Other than H. M. Yards, Sec. I.	657	—	—	2	2	—	2	—	—	
Watch Vessel, No. 32	-	168	1 April "	31 Mar. 1875	Other than H. M. Yards, Sec. I.	657	—	—	17	17	—	17	—	—	
Watch Vessel, No. 33	-	168	8 Mar. 1875	20 Mar. "	Yards, Sec. I.	313	1	3	—	4	—	4	—	—	
			1 Aug. 1874	31 Mar. "	Portsmouth	657	—	—	7	7	—	7	—	—	
Watch Vessel, No. 40	Queen Charlotte, E. Cowes.	130	22 Feb. 1875	27 Feb. "	Other than H. M. Yards, Sec. I.	313	—	1	—	1	—	1	—	—	
Wellesley, No. 1 (lately lent to Training Ship Society, Newcastle-on-Tyne).	4th Rate	1,751 (2,504)	26 Sept. 1874	8 Dec. 1874	Sheerness	208	113	5	—	118	77	41	—	—	
TOTAL							8,832	2,821	2,160	13,813	10,183	3,630	2,682	6,312	

1874-75.

No. 4.

STEAM TUGS, YARD CRAFT, COAL DEPÔTS, &c., BUILDING, FITTING, REFITTING, &c.

REPAIRING, FITTING, &c. DURING THE FINANCIAL YEAR 1874-75.

71

Note.—The Figures printed in *Italics* in the Money Columns show the Amount of Net Credits for Stores, &c. returned.

Yard to which the Craft is Attached.	Name and Description of Yard Craft.	Tonnage.	Periods within which the Expense was Incurred.		Dockyards at which the Expense has been Incurred.	Page of Detailed Abstract.	EXPENDITURE INCURRED DURING THE YEAR 1874-75.							REMARKS.	
			From	To			Value of Materials Issued.	Wages.	Payments to Con- tractors, &c. Made and Allowed at Admiralty.	Gross Total, excluding Incidental and Establish- ment Charges.	Value of Materials Returned.	Net Total, excluding Incidental and Establish- ment Charges.	Incidental and Establish- ment Charges.		Total Expense, inclusive of Incidental and Establish- ment Charges.
DEPTFORD	Steam Launch, No. 36 -	23	17 April 1874	15 Mar. 1875	Deptford	-	100	20	8	£.	£.	£.	£.	£.	£.
	No. 1 ("Steady") late Mortar Float, No. 104, for conveying Stores.	103 {	15 June 29 Aug. "	31 Dec. 1874 12 Sept. "	- ditto Sheerness	-	100 209	8 6	- 13	- -	- -	8 19	25 8 19	- -	-
	No. 4 ("Trusty") Mortar Float, No. 110, for con- veying Stores.	102 {	15 June 7 Oct. "	31 Dec. " 21 Nov. "	Deptford Sheerness	-	100 209	8 10	- 29	- -	- -	8 39	8 39	- -	-
	Aid (late Chatham Yard Craft, No. 3).	154	-	On the 15th Sept. 1874	Chatham	-	147	-	-	-	-	-	22	22	-
	Bustler (Steam Tug) -	217 {	-	On the 15th May 1874 6 April 1874	Deptford Chatham	-	100 147	4 51	- 42	- -	- -	- -	4 93	4 68	- -
CHATHAM	Chatham (Sheer Hulk) -	1,691	23 Mar. "	27 May 1874	- ditto	-	148	7	5	-	-	12	10	2	-
	Duck (late Chatham Yard Craft, No. 4).	111 {	22 May 23 Mar. " 4 May 5 Aug. "	27 May 6 Mar. 1875 6 Feb. " 10 Aug. 1874	Deptford Chatham Portsmouth Devonport	-	100 148 314 402	7 83 49 2	- 61 8 -	- -	- -	7 144 57 2	6 140 48 2	1 4 9 -	-
	Monkey (Steam Tug) -	212	4 April "	20 Mar. 1875	Chatham	-	148	3,590	3,251	-	-	6,841	5,564	1,277	-
	Rochester (late Chatham Yard Craft, No. 2).	154 {	6 April 23 Mar. " 11 May "	20 Mar. " 27 Feb. " 26 Dec. 1874	- ditto Portsmouth Devonport	-	{148} 314 402	83 70 23	27 14 6	- -	- -	110 84 29	86 43 18	24 41 11	-
	Steam Launch, No. 52 (attached to Dockyard).	23	23 Mar. "	20 Mar. 1875	Chatham	-	149	22	59	-	-	81	77	4	-

No. 4.—STEAM TUGS, YARD CRAFT, COAL DEPÔTS, &c., BUILDING, FITTING, REFITTING, &c.—continued.

Yard to which the Craft is Attached.	Name and Description of Yard Craft.	Tonnage.	Periods within which the Expense was Incurred.		Dockyards at which the Expense has been Incurred.	Page of Detailed Abstract.	EXPENDITURE INCURRED DURING THE YEAR 1874-75.						REMARKS.		
			From	To			Value of Materials Issued.	Wages.	Payments to Con- tractors, &c. Made and Allowed at Admiralty.	Gross Total, excluding Incidental and Establish- ment Charges.	Value of Materials Returned.	Net Total, excluding Incidental and Establish- ment Charges.		Incidental and Establish- ment Charges.	Total Expense, inclusive of Incidental and Establish- ment Charges.
	Steam Pinnace, No. 6 (attached to Dockyard).	7	23 Mar. 1874	16 Jan. 1875	Chatham	149	£.	£.	£.	£.	£.	£.	£.	£.	£.
	No. 1 (Lighter)	100	26 Oct. "	31 Oct. 1874	- ditto	149	—	—	—	—	—	—	—	—	—
	No. 8 (Mooring Lighter)	168	- On the 18th Sept. 1874	-	- ditto	149	1	—	—	—	—	—	—	—	—
	No. 10 (Mooring Lighter)	124	6 April 1874	12 Dec. 1874	- ditto	149	—	7	—	—	—	—	—	—	—
	No. 11 (Iron Lighter)	102	- On the 12th Aug. 1874	-	- ditto	150	—	—	—	—	—	—	—	—	—
	No. 13 (Sail Barge)	43	26 Oct. 1874	7 Nov. 1874	- ditto	150	3	—	—	—	—	—	—	—	—
	No. 17 (Fire Float)	83	20 April "	26 Feb. 1875	- ditto	150	1	1	—	—	—	—	—	—	—
	No. 22 (Mud Barge)	94	9 Nov. "	14 Nov. 1874	- ditto	150	15	—	—	—	—	—	—	—	—
	No. 24 (Iron Lighter)	102	23 Mar. "	26 Dec. "	- ditto	150	—	1	—	—	—	—	—	—	—
	No. 25 (Iron Lighter)	105	23 Mar. "	15 Dec. "	- ditto	150	1	10	—	—	—	—	—	—	—
	No. 27 (Iron Lighter)	104	23 Mar. "	9 Jan. 1875	- ditto	150	23	52	—	—	—	—	—	—	—
	No. 52 (Fire Float)	81	17 Aug. "	13 Jan. "	- ditto	150	98	102	—	—	—	—	—	—	—
	No. 53 (Late Mortar Float, No. 127).	105	18 May "	23 May 1874	- ditto	150	14	30	—	—	—	—	—	—	—
	No. 64 (Wooden Lighter)	70	23 Oct. "	14 Nov. "	- ditto	150	—	2	—	—	—	—	—	—	—
	No. 76 (Fire Float)	65	17 Aug. "	29 Aug. "	- ditto	150	—	2	—	—	—	—	—	—	—
	Benbow (Coal Depot)	1,773 (2,912)	6 April "	20 Feb. 1875	Sheerness	209	119	85	—	—	—	—	—	—	—
	Columbine (Coal Depot)	492 (475)	14 April "	20 Mar. "	- ditto	209	150	108	—	—	—	—	—	—	—
	Dido (Coal Depot)	734 (737)	1 June "	6 June 1874	Chatham	151	—	1	—	—	—	—	—	—	—
	Drake (late Sheerness Yard Craft, No. 1).	83	23 Mar. "	6 Feb. 1875	Sheerness	209	210	130	—	—	—	—	—	—	—
	Locust (Steam Tug)	284	- On the 26th Feb. 1875	-	Chatham	151	—	—	—	—	—	—	—	—	—
	Mercury (Coal Depot)	1,084 (1,447)	8 April 1874	18 Mar. 1875	Sheerness	210	—	—	—	—	—	—	—	—	—
			8 April "	9 Jan. "	- ditto	210	294	29	—	—	—	—	—	—	—
					- ditto	210	219	104	—	—	—	—	—	—	—

CHATHAM—continued.

Ocean (Coal Depot)	2,291	8 April "	5 Feb. "	- ditto	-	210	86	39	-	125	2	133
Otter (Steam Tug)*	237	25 April "	20 Mar. "	- ditto	-	211	377	218	-	595	99	496
Sheerness (Steam Tug)	233	23 Mar. "	18 Mar. "	- ditto	-	212	292	303	-	535	45	490
Steam Pinnace, No. 5 (attached to Dockyard).	14	24 Mar. "	2 Mar. "	- ditto	-	212	20	33	-	53	1	52
No. 3 (Tank Vessel, Schooner).	103	23 Mar. "	20 Feb. "	- ditto	-	213	107	32	-	139	13	126
No. 4 ("Royal Escape")	110	9 Sept. "	19 Sept. 1874	- ditto	-	213	26	24	-	50	2	48
No. 6 (Mooring Lighter, No. 1).	168	7 April "	3 Oct. "	- ditto	-	213	6	-	-	6	-	6
No. 7 (Mooring Lighter, No. 2).	169	9 April "	6 Mar. 1875	- ditto	-	213	1	-	-	1	-	1
No. 9 (Mooring Lighter, No. 4).	161	2 April "	30 Dec. 1874	- ditto	-	213	4	1	-	5	-	5
No. 10 (Mooring Lighter, No. 5).	161	30 Mar. "	1 Jan. 1875	- ditto	-	213	30	-	-	30	1	29
No. 11 (Mooring Lighter, No. 6).	157	30 Sept. "	1 Oct. 1874	- ditto	-	213	4	-	-	4	1	3
No. 12, Luggage Lighter, No. 1 (Iron).	104	13 June "	20 Jan. 1875	- ditto	-	213	80	103	-	248	1	247
No. 13, Luggage Lighter, No. 2 (Iron).	102	28 Mar. "	20 Mar. "	- ditto	-	213	18	10	-	28	3	25
No. 15 (Luggage Lighter, No. 4).	166	31 Mar. "	20 Mar. "	- ditto	-	213	40	59	-	99	1	98
No. 16, Fire Float, No. 1 (Iron).	82	20 June "	4 Feb. "	- ditto	-	213	30	30	-	75	6	69
No. 19 (Tank Vessel)	20	4 April "	16 Jan. "	- ditto	-	214	18	6	-	24	6	18
No. 21 ("Manœuvrer," Barge), late Woolwich Yard Craft, No. 4.	148	26 Nov. "	13 Mar. "	- ditto	-	214	198	267	-	465	94	371
No. 23, Mooring Lighter (Iron).	103	20 June "	23 Oct. 1874	- ditto	-	214	2	7	-	9	-	9
No. 24, Mooring Lighter (Iron).	103	22 Aug. "	29 Aug. "	- ditto	-	214	3	4	-	7	-	7
No. 25 (Luggage Lighter, No. 5).	104	13 April "	5 Dec. "	- ditto	-	214	37	84	-	121	3	113
No. 26 (Luggage Lighter, No. 6).	104	18 July "	13 Jan. 1875	- ditto	-	214	17	5	-	22	2	20
No. 27 (Lump, No. 1), late Woolwich Yard Craft, No. 3.	162	22 April "	1 Jan. "	- ditto	-	214	28	1	-	29	3	26
No. 29 (New Mooring Lighter).	209	23 Mar. "	1 Jan. "	- ditto	-	214	36	48	-	84	-	84
Biter (Coal Depot)	233 (28½)	11 May "	7 Nov. 1874	Portsmouth	-	314	20	8	-	28	9	19
Camel (Iron Steam Tug).	319	23 Mar. "	20 Mar. 1875	- ditto	-	314	4,207	2,243	-	6,450	435	6,015
Camperdown (Coal Depot).	2,404 (4,440)	23 Mar. "	6 Feb. "	- ditto	-	315	226	338	-	564	11	553

SHEERNESS

PORTSMOUTH

No. 4.—STEAM TUGS, YARD CRAFT, COAL DEPÔTS, &c., BUILDING, FITTING, &c.—continued.

Yard to which the Craft is Attached.	Name and Description of Yard Craft.	Tonnage.	Periods within which the Expense was Incurred.		Dockyards at which the Expense has been Incurred.	EXPENDITURE INCURRED DURING THE YEAR 1874-75.							REMARKS.	
			From	To		Value of Materials Issued.	Wages.	Payments to Con- tractors,&c. Made and Allowed at Admiralty.	Gross Total, excluding Incidental and Establish- ment Charges.	Value of Materials Returned.	Net Total, excluding Incidental and Establish- ment Charges.	Incidental and Establish ment Charges.		Total Expense, inclusive of Incidental and Establish- ment Charges.
	Carnatic (Coal Dépôt) -	1,790 (2,917)	23 Mar. 1874	20 Mar. 1875	Portsmouth -	£. 64	£. 66	£. —	£. 130	£. 4	£. 126	£. —	£. —	
	Dart (Pitch Boat, late Ports- mouth Yard Craft, No. 3).	48	21 Sept. "	28 Sept. 1874	- ditto -	—	—	—	—	10	10	—	—	
	Dromedary (late "Lively" Portsmouth Yard Craft, No. 2).	155	10 Sept. " 6 April "	11 Sept. " 13 Mar. 1875	Chatham - Portsmouth -	8 294	— 19	— —	8 313	2 223	6 90	—	—	
			2 Oct. "	18 Dec. 1874	Devonport -	7	—	—	7	2	5	—	—	
			On the 20th Mar. 1875		Haulbowline	1	—	—	1	—	1	—	—	
	Echo (Steam Tug) -	295	23 Mar. 1874	20 Mar. 1875	Portsmouth -	136	42	—	178	12	166	—	—	
	Falmouth (late Woolwich Yard Craft, No. 1).	160	16 April " On the 4th June 1874	4 Sept. 1874	Chatham -	5	—	—	5	—	5	—	—	
	Florence Nightingale (invalid Barge).	110 (37)	23 Mar. 1874	27 Feb. 1875	Sheerness -	1	—	—	1	—	1	—	—	
	Furious (Coal Dépôt) -	1,287	4 May "	4 July 1874	Portsmouth -	83	62	—	145	232	87	—	—	
			4 May "	19 Dec. "	Devonport -	2	3	—	5	—	5	—	—	
					Portsmouth -	16	20	—	36	—	36	—	—	
	Grinder (Steam Tug) -	332	13 April "	20 Mar. 1875	- ditto -	41	20	—	61	9	52	—	—	
			23 Mar. " 10 Aug. "	20 Mar. " 15 Aug. 1874	- ditto - Other than H.M. Yards, Sec. I.	2,750 —	782	—	3,532 1	104	3,428 1	—	—	
	Lily (Coal Dépôt) -	432 (447)	26 Oct. "	23 Jan. "	Portsmouth -	—	1	—	1	—	1	—	—	
	Malabar (Coal Dépôt) -	1,715 (2,761)	23 Mar. "	20 Mar. "	- ditto -	374	569	—	943	217	726	—	—	
	Manly (Steam Tug) -	185	23 Mar. " 10 Aug. "	20 Mar. " 15 Aug. 1874	- ditto - Other than H.M. Yards, Sec. I.	237 —	259	—	496 1	22	474 1	—	—	
	Orestes (Coal Dépôt) -	460 (566)	31 Mar. "	23 Jan. "	Portsmouth -	50	16	—	66	6	60	—	—	
	Pet (Coal Dépôt) -	213 (200)	23 Mar. "	5 Dec. 1874	- ditto -	23	25	—	48	2	46	—	—	
	Pitt (Coal Dépôt) -	1,751 (2,912)	23 Mar. "	20 Mar. 1875	- ditto -	48	70	—	118	5	113	—	—	
	Snapper (Coal Dépôt) -	218 (234)	1 Sept. "	7 Nov. 1874	- ditto -	11	4	—	15	3	12	—	—	
	Steam Launch, No. 1 (attached to Chief Constructor's, &c. De- partment).	23	31 Mar. "	20 Mar. 1875	- ditto -	66	110	—	176	21	155	—	—	

PORTSMOUTH—
continued.

PORTSMOUTH—
continued.

	26	23 Mar.	"	20 Mar.	"	- ditto	-	318	279	225	-	504	40	464
Steam Launch, No. 84 (attached to Chief Constructor's, &c. Department).	13	1 June	"	20 Mar.	"	- ditto	-	319	42	43	-	85	4	81
Steam Pinnace, No. 12 (for use of Admiral Superintendent).	236	23 Nov.	"	6 Feb.	"	- ditto	-	319	27	92	-	119	541	422
Stork (Late Gunboat)	236	8 June	"	27 Feb.	"	- ditto	-	319	8	9	-	17	1	16
Swan (Coal Depot)	235 (284)	21 Dec.	"	16 Jan.	"	- ditto	-	319	2	4	-	6	-	6
Wave (Coal Depot)	198	23 Mar.	"	13 Mar.	"	- ditto	-	319	212	106	-	318	48	270
No. 5 (Mooring Lighter)	180	10 Aug.	"	5 Sept. 1874	"	- ditto	-	319	-	12	-	12	65	53
No. 6 (Mooring Lighter, No. 2).	180	23 Mar.	"	13 Mar. 1875	"	- ditto	-	320	45	15	-	60	12	48
No. 7 (Mooring Lighter, No. 3).	196	6 April	"	20 Mar.	"	- ditto	-	320	248	131	-	379	51	328
No. 8 (Mooring Lighter, C)	160	13 July	"	10 Oct. 1874	"	- ditto	-	320	6	-	-	6	2	4
No. 9 (Mooring Lighter, No. 5).	197	23 Mar.	"	3 Oct.	"	- ditto	-	320	23	49	-	72	77	5
No. 11 (Mooring Lighter, No. 4A).	197	1 June	"	9 Jan. 1875	"	- ditto	-	320	53	3	-	56	16	40
No. 12 (Mooring Lighter, B)	95	7 Dec.	"	20 Mar.	"	- ditto	-	321	4	3	-	7	-	7
No. 14 (Open Lighter, No. 1).	92	23 Mar.	"	9 Jan.	"	- ditto	-	321	17	26	-	43	7	36
No. 15 (Open Lighter, No. 2).	104	3 Aug.	"	19 Sept. 1874	"	- ditto	-	321	19	13	-	32	-	32
No. 19 (Iron Lighter)	33	15 June	"	20 Feb. 1875	"	- ditto	-	321	50	62	-	112	13	99
No. 20 (Open Lighter, No. 7).	46	5 Oct.	"	5 Dec. 1874	"	- ditto	-	321	7	12	-	19	-	19
No. 22 (Open Lighter, No. 9).	35	10 Aug.	"	27 Feb. 1875	"	- ditto	-	321	25	19	-	44	-	44
No. 24 (Mud Punt, No. 1)	45	20 April	"	16 May 1874	"	- ditto	-	321	7	13	-	20	-	20
No. 26 (Mud Punt, No. 5)	45	20 April	"	12 Dec.	"	- ditto	-	321	22	13	-	35	-	35
No. 27 (Mud Punt, No. 7)	45	14 Sept.	"	30 Oct.	"	- ditto	-	321	5	3	-	8	-	8
No. 28 (Mud Punt, No. 9)	40	4 May	"	14 Nov.	"	- ditto	-	321	3	3	-	6	-	6
No. 30 (Mud Punt, No. 19)	47	11 May	"	12 Dec.	"	- ditto	-	321	18	26	-	44	4	40
No. 31 (Mud Punt, No. 20)	87	8 June	"	30 Oct.	"	- ditto	-	321	83	14	-	97	15	82
No. 35 (Fire Float Iron, No. 1).	86	3 Aug.	"	26 Sept.	"	- ditto	-	321	20	18	-	38	-	38
No. 36 (Fire Float, Iron, No. 2).	37	3 Aug.	"	19 Sept.	"	- ditto	-	321	4	-	-	4	-	4
No. 37 (Engine Boat)	24	30 June	"	6 Mar. 1875	"	- ditto	-	321	33	1	-	34	-	34
No. 39 (Engine Boat)	19	29 Sept.	"	6 Mar.	"	- ditto	-	321	15	1	-	16	-	16
No. 40 (Engine Boat)	1,084 (1,447)	4 May	"	20 Mar.	"	Devonport	-	402	42	47	-	89	-	89
Bacchus (Coal Depot)	267	21 April	"	6 Mar.	"	- ditto	-	402	452	394	-	846	123	723
Carron (Steam Tug)	295	25 May	"	31 Aug. 1874	"	- ditto	-	403	-	1	-	1	56	55
Confiance (Steam Tug)	317 (567)	4 May	"	18 Mar. 1875	"	- ditto	-	403	65	65	-	180	7	123

DEVONPORT

Yard to which the Craft is Attached.	Name and Description of Yard Craft.	Tonnage.	Periods within which the Expense was Incurred.		Dockyards at which the Expense has been Incurred.	EXPENDITURE INCURRED DURING THE YEAR 1874-75.							REMARKS.	
			From	To		Value of Materials Issued.	Wages.	Payments to Contractors, &c. Allowed at Admiralty.	Gross Total, excluding incidental and Establishment Charges.	Value of Materials Returned.	Net Total, excluding incidental and Establishment Charges.	Incidental and Establishment Charges.		Total Expense, inclusive of incidental and Establishment Charges.
	Fenny (late Woolwich Yard Craft, No. 14).	168	21 Mar. 1874	20 Jan. 1875	Chatham	36	11	—	47	—	47	—	47	
			On the 19th Dec. 1874	—	Sheerness	1	—	—	1	—	1	—	1	
			29 Sept. 1874	9 Jan. 1875	Portsmouth	4	4	—	8	—	8	—	8	
			23 Mar. "	20 Mar. "	Devonport	121	58	—	179	23	156	—	156	
			16 July "	26 Sept. 1874	Pembroke	9	8	—	17	—	17	—	17	
	Favorite (Coal Depot)	432 (481)	20 April "	18 Mar. 1875	Devonport	58	46	—	104	8	96	—	96	
	Fly (Coal Depot)	485 (585)	7 May "	20 Mar. "	ditto	69	147	—	216	6	210	—	210	
	Hamoaze (Sailing Lighter)	153	On the 23rd Feb. 1875	—	Chatham	1	—	—	1	—	1	—	1	
			On the 13th Feb. 1875	—	Sheerness	1	—	—	1	—	1	—	1	
			23 Mar. 1874	13 Mar. 1875	Devonport	1,653	1,332	—	2,985	866	2,119	—	2,119	
			On the 19th March 1875	—	Pembroke	1	—	—	1	—	1	—	1	
	Harlequin (Coal Depot)	433 (447)	13 April 1874	20 Mar. 1875	Devonport	73	41	—	114	9	105	—	105	
	Jupiter (Coal Depot, late "Forth").	1,258 (1,815)	7 April "	20 Mar. "	ditto	37	18	—	55	7	48	—	48	
	Kent (Sheer Hulk)	2,009 (3,092)	20 April "	16 Mar. "	ditto	305	26	—	331	138	193	—	193	
	Lavinia (Coal Depot)	1,258 (1,815)	23 Mar. "	13 Mar. "	ditto	140	166	—	306	60	246	—	246	
	Nimrod (Coal Depot)	502 (686)	6 May "	13 Mar. "	ditto	34	30	—	64	2	62	—	62	
	Perseverance (Building)	— (457)	23 Mar. "	20 Mar. "	ditto	2,578	3,289	6,893	12,760	935	11,825	—	11,825	
			2 Nov. "	19 Nov. "	Other than H.M. Yards, Sec. 1.	—	—	28	28	—	28	—	28	
	Racehorse (Coal Depot)	438 (481)	7 May "	12 Mar. "	Devonport	27	22	—	49	9	40	—	40	
	Scotia (Steam Tug)	268	9 April "	5 Mar. "	ditto	312	483	—	795	46	749	—	749	
	Steam Launch, No. 21 (for Keyham Factory use)	28	20 April "	30 Jan. "	ditto	95	151	—	246	65	181	—	181	
	Steam Launch, No. 56 (for Dockyard use).	27	28 April "	23 Jan. "	ditto	5	14	—	19	—	19	—	19	
	Tortoise (Sailing Lighter)	163	6 April "	5 Feb. "	ditto	—	—	—	—	312	312	—	312	
	Trusty (Steam Tug)	319	14 Dec. "	19 Dec. 1874	Portsmouth	—	1	—	1	—	1	—	1	
	No. 2 (Chatham, Break-water Vessel).	317	26 Mar. "	20 Mar. 1875	Devonport	467	467	—	934	108	826	—	826	
			20 April "	13 Mar. "	ditto	3	13	—	16	47	51	—	51	
DEVONPORT— continued.														

DEVONPORT—
continued.

	70	91 Mar. "	20 Mar. "		406	134	75		209	36	173
No. 6 (Mercury, Tender for use of Queen's Harbour-master at Plymouth Sound.				- ditto	-						
No. 8 (Mooring Lump, No. 1).	166	7 Dec. "	20 Mar. "	- ditto	406	187	178		365	49	316
No. 9 (Mooring Lighter), fitted with Steam Capstan.	191	23 Mar. "	20 Mar. "	- ditto	406	138	123		261	31	230
No. 10 (Mooring Lump, No. 3).	94	15 Mar. 1875	20 Mar. "	- ditto	406	-	1		1	-	1
No. 12 (Mooring Lump, No. 5).	172	23 Mar. 1874	4 April 1874	- ditto	407	-	2		2	-	2
No. 13 (Mooring Lump, No. 6).	142	1 May "	6 Mar. 1875	- ditto	407	88	7		95	34	61
No. 16 (Mooring Lump, No. 9).	116	15 June "	17 Dec. 1874	- ditto	407	78	68		146	27	119
No. 20 (Lump, No. 13) - open boat	88	21 May "	22 Feb. 1875	- ditto	407	16	-		16	5	11
No. 22 (Dirt Boat, No. 2)	287	10 June "	25 Nov. 1874	- ditto	407	1	-		1	-	1
No. 23 (Dredge Vessel)	169	18 Aug. "	20 Mar. 1875	- ditto	407	18	6		24	11	13
No. 24 (Luggage Vessel)	204	30 Mar. "	25 April 1874	- ditto	407	6	27		33	-	33
No. 32 (Mooring Lighter) fitted with steam capstan.		15 April "	18 Mar. 1875	- ditto	407	101	80		181	15	166
Alarm (Coal Depot)	(993)	7 April "	11 Mar. "	Pembroke	442	19	31		50	1	49
Steam Launch, No. 31	22	23 Mar. "	19 Dec. 1874	- ditto	442	-	2		2	-	2
Widgeon (Steam Tug)	164	18 June "	12 Dec. "	- ditto	442	70	35		114	6	108
No. 4 (Fire Float)	73	13 May "	30 May "	- ditto	442	12	13		25	-	25
Wolf (Coal Depot)	(563)	25 July "	20 Mar. 1875	Haulbowline	471	29	-		29	4	25
No. 1, Cork, Tank Vessel	50	25 July "	20 Mar. "	- ditto	471	33	1		34	6	28
No. 3 (Mooring Lump)	60	23 May "	23 Jan. "	- ditto	471	34	18		52	7	45
No. 5 (Coaling Lump)	50	25 July "	20 Mar. "	- ditto	471	27	12		39	13	26
No. 6 (Coaling Lump)	50	25 July "	20 Mar. "	- ditto	471	11	-		11	12	1
Albacore	235	4 April "	27 Feb. "	Bermuda	503	33	18		51	1	50
Spitfire (Steam Tug)	432	25 Mar. "	20 Mar. "	- ditto	504	213	115		328	90	238
Steam Launch, No. 49	25	18 April "	20 Mar. "	- ditto	504	13	12		285	-	285
No. 3 (Tank Vessel, No. 1)	63	28 Mar. "	5 Nov. 1874	- ditto	504	156	197		353	18	335
No. 7 (Diamond), Tender to Commander-in-Chief.	21	23 Mar. "	20 Mar. 1875	- ditto	505	17	10		27	3	24
No. 20 ("Bermuda")	204	18 April "	20 Mar. "	- ditto	505	20	16		36	3	33
African (Steam Tug)	36	1 April "	31 Mar. "	Cape of Good Hope.	516	119	47		166	4	162
Steam Pinnace, No. 23	13	1 Aug. "	30 Sept. 1874	- ditto	516	-	1		1	-	1
No. 2 (Pitch Boat)	10	1 Dec. "	31 Dec. "	- ditto	516	-	1		1	-	-
No. 3 (Swift)	352	1 April "	31 Mar. 1875	- ditto	516	295	3		298	10	288
No. 4 (Tank Vessel)	110	1 Aug. "	31 Mar. "	- ditto	516	101	28		129	2	127
No. 5 (Iron Coal Barge)	49	1 Oct. "	28 Feb. "	- ditto	517	22	1		23	2	21
No. 6 (Iron Coal Barge)	49	1 Oct. "	28 Feb. "	- ditto	517	29	-		29	6	23
Escort (Iron Paddle Wheel Tug).	(491)	31 Mar. "	10 Oct. 1874	Portsmouth	323	29	26		55	-	55
Steam Launch, No. 63	24	24 April "	16 Mar. 1875	Gibraltar	531	257	121		378	175	203
No. 1 (Ketch)	94	5 June "	6 Feb. 1875	Other than H.M. Yard, Sec. 1.	658	-	-		314	-	314
No. 2 (Mooring Lighter)	-	31 July "	19 Mar. "	- ditto	531	51	55		106	3	103
No. 3 (Coal Lighter)	-	31 July "	16 Oct. 1874	- ditto	531	12	14		49	-	49
	-	31 July "	29 Jan. 1875	- ditto	531	-	3		41	-	44
	-			- ditto	531	-	-		3	-	3

PEMBROKE

HAULBOWLINE

BERMUDA

CAPE OF GOOD HOPE

GIBRALTAR

No. 4.—STEAM TUGS, YARD CRAFT, COAL DEPÔTS, &c., BUILDING, FITTING, REFITTING, &c.—continued.

Yard to which the Craft is Attached.	Name and Description of Yard Craft.	Tonnage.	Periods within which the Expense was Incurred.		Docks yards at which the Expense has been Incurred.	Page of Detailed Abstract.	EXPENDITURE INCURRED DURING THE YEAR 1874-75.										REMARKS.
			From	To			Value of Materials Issued.	Wages.	Payments to Con- tractors, &c. Made and Allowed at Admiralty.	Gross Total, excluding Incidental Establish- ment Charges.	Value of Materials Returned.	Net Total, excluding Incidental Establish- ment Charges.	Incidental and Establish- ment Charges.	Total Expense, inclusive of Incidental Establish- ment Charges.			
HALIFAX	Steam Launch, No. 8	25	1 Aug. 1874	20 Mar. 1875	Halifax	539	£.	£.	£.	£.	£.	£.	£.	£.	£.		
	No. 1 (Mooring Lighter)	92	13 June "	20 Mar. "	" ditto	539	4	5	—	9	6	175	—	—	—		
	No. 2 (Zeldina, Tank Ves- sel).	107	28 Mar. "	20 Mar. "	" ditto	540	26	53	—	79	—	79	—	—	—		
	No. 3 (late "Charger")	236	1 April "	20 Mar. "	" ditto	540	25	68	—	93	—	93	—	—	—		
	Steam Launch, No. 24	23	22 July "	13 Mar. "	Hong Kong	554	24	15	—	39	—	39	—	—	—		
	Steam Launch, No. 62	—	26 May "	19 Mar. "	" ditto	554	185	159	—	344	22	322	—	—	—		
		—	1 July "	20 Dec. "	Other than H.M.	658	—	—	—	1	—	1	—	—	—		
	Steam Pinnace, No. 51	—	—	On the 28th Nov. 1874	Yards, Sec. 1.	554	1	—	—	1	—	1	—	—	—		
	No. 8 (Coal Barge)	48	4 June 1874	12 Mar. 1875	Hong Kong	555	25	18	—	43	—	43	—	—	—		
		—	1 July "	30 Sept. 1874	" ditto	658	—	—	—	2	—	2	—	—	—		
HONG KONG	No. 9 (Coal Barge)	48	4 June "	19 Feb. 1875	Yards, Sec. 1.	555	54	24	—	2	—	76	—	—	—		
		—	1 July "	30 Sept. 1874	Hong Kong	658	—	—	—	2	—	2	—	—	—		
	No. 10 (Coal Barge)	48	4 June "	3 Mar. 1875	Other than H.M.	555	18	2	—	20	—	20	—	—	—		
		—	1 July "	30 Sept. 1874	Hong Kong	658	—	—	—	2	—	2	—	—	—		
	No. 11 (Coal Barge)	48	3 April "	4 June "	Yards, Sec. 1.	555	2	2	—	4	—	4	—	—	—		
		—	1 July "	30 Sept. "	Hong Kong	658	—	—	—	2	—	2	—	—	—		
	No. 12 (Coal Barge)	48	4 June "	20 Nov. "	Yards, Sec. 1.	555	58	32	—	90	—	90	—	—	—		
		—	1 July "	30 Sept. "	Hong Kong	658	—	—	—	3	—	3	—	—	—		
	No. 13 (Coal Barge)	48	15 May "	4 June "	Yards, Sec. 1.	555	7	1	—	8	—	8	—	—	—		
		—	1 July "	30 Sept. "	Hong Kong	658	—	—	—	2	—	2	—	—	—		
JAMAICA	No. 1 (Tank Vessel, No. 1)	115	4 April "	20 Feb. 1875	Jamaica	565	50	28	—	78	7	71	—	—	—		
	No. 2 (Tank Vessel, No. 2)	115	7 Mar. "	20 Mar. "	" ditto	565	230	305	—	595	40	495	—	—	—		
	No. 3 (Tank Vessel, No. 3)	115	17 Mar. "	1 Dec. 1874	" ditto	566	381	245	—	576	210	366	—	—	—		
	No. 4 (Tank Vessel, No. 4)	90	18 Mar. "	7 Nov. "	" ditto	566	85	57	—	142	19	123	—	—	—		
	No. 11 (Steam Launch)	20	4 April "	1 Mar. 1875	" ditto	567	55	64	—	119	25	94	—	—	—		
	Hearty (Steam Tug)	221	16 April "	19 Feb. "	Malta	{ 586 } { 587 }	96	83	—	179	3	176	—	—	—		
	Malta (Steam Tug), (Building).	—	11 Jan. 1875	20 Mar. "	Portsmouth	923	416	1	—	417	12	405	—	—	—		
		(497)	27 July 1874	31 Mar. "	Other than H.M.	658	—	—	—	23,265	—	23,265	—	—	—		
	Steam Launch, No. 17	41	16 April "	1 Mar. "	Yards, Sec. 1.	587	31	15	—	46	—	46	—	—	—		
	No. 1 (Tank Vessel, No. 1)	98	17 April "	1 Mar. "	" ditto	587	162	40	—	202	6	196	—	—	—		
	No. 2 (Tank Vessel, No. 2)	58	1 July "	2 Feb. "	" ditto	588	20	40	—	60	—	60	—	—	—		
	No. 3 (Mooring Lighter, late "Savage").	235	16 April "	20 Mar. "	" ditto	588	48	23	—	71	56	15	—	—	—		

[illegible]

N^o. 4.--STEAM TUGS, YARD CRAFT, COAL DEPÔTS, &c., BUILDING, FITTING, REFITTING, &c.--continued.

Yard to which the Craft is Attached.	Name and Description of Yard Craft.	Tonnage.	Periods within which the Expense was Incurred.		Dockyards at which the Expense has been Incurred.	EXPENDITURE INCURRED DURING THE YEAR 1874-75.										REMARKS.
			From	To		Value of Materials Issued.	Wages.	Payments to Con- tractors, &c. Made and Allowed at Admiralty.	Gross Total, including Incidental and Establish- ment Charges.	Value of Materials Returned.	Net Total, excluding Incidental and Establish- ment Charges.	Incidental and Establish- ment Charges.	Total Expense, inclusive of Incidental and Establish- ment Charges.			
ROYAL VIC- TORIA — con- tinued.	Hoys and Boats	-	-	On the 11th April 1874	-	215	£. 1	£. —	£. 1	£. —	£. —	£. 1	£. —	£. 1	£. —	£. —
	Mary (late Yard Craft, No. 3).	78	14 Sept. 1874	26 Sept. 1874	-	151	18	31	31	1	30	41	1	30	41	1
	No. 2 (Louisa)	81	23 April "	3 Dec. 1874	-	100	35	36	42	3	33	12	3	33	12	3
	No. 7 (Mooring Lighter)	102	22 Sept. "	28 Nov. "	-	215	32	42	42	12	30	4	1	26	4	1
			19 Nov. "	30 Nov. "	-	100	5	5	26	1	4	26	1	4	26	1
			19 Aug. "	12 Sept. "	-	215	10	26	71	2	69	1	1	60	1	1
	Chester (Steam Tank Vessel).	164 (234)	22 June "	20 Mar. 1875	-	323	69	60	483	91	392	19	83	4	14	8
	Hoys and Boats	-	-	On the 24th April 1874	-	408	1	1	52	19	83	4	14	8	35	101
	Pelter (Steam Tank Vessel).	250 (370)	8 June 1874	20 Mar. 1875	-	323	60	267	483	91	392	19	83	4	14	8
	No. 2 (Bessie)	55	23 Mar. "	28 Nov. 1874	-	324	267	47	52	19	83	4	14	8	35	101
ROYAL CLA- RENCE.	No. 3 (Bounty)	35	-	On the 5th Feb. 1875	-	324	47	52	19	83	4	14	8	35	101	365
	No. 5 (Swale)	70	18 May 1874	20 Mar. 1875	-	151	19	19	19	5	14	8	35	101	365	16
	No. 6 (Alpheus)	55	-	On the 22nd Feb. 1875	-	324	8	8	8	10	10	10	10	10	10	10
			4 May 1874	20 Mar. 1875	-	325	126	126	136	35	101	8	35	101	365	16
			-	On the 30th March 1875	-	659	—	365	365	—	—	—	—	—	—	—
	No. 7 (Sisters)	48	30 Jan. 1875	5 Feb. 1875	-	151	16	16	16	2	6	17	118	93	547	71
	Arthur (Hoy)	70	2 Nov. 1874	13 Mar. "	-	325	2	8	8	—	—	—	—	—	—	—
			2 Nov. "	17 Mar. "	-	408	194	194	211	118	93	547	71	362	362	362
			-	On the 19th March 1875	-	659	—	547	547	—	—	—	—	—	—	—
	Cremill (Hoy)	76	14 July 1874	20 Mar. 1875	-	408	79	79	85	14	8	14	8	14	8	14
ROYAL WIL- LIAM.	Despatch (Tank and Pro- vision Vessel).	257 (370)	-	On the 13th October 1874	-	659	—	362	362	—	—	—	—	—	—	—
	Hoys and Boats	-	-	On the 10th June 1874	-	408	4	4	385	8	377	4	4	4	4	4
	Minx (Steam Tank)	303 (250)	27 Mar. 1874	18 Mar. 1875	-	409	79	79	90	20	70	70	70	70	70	70
	TOTAL	-	-	-	-	£.	29,293	21,633	32,421	83,347	8,731	74,616	17,232	91,848		

SHIPS AND VESSELS BREAKING UP.

Note.—The Figures printed in *Italics* in the Money Columns show the Amount of Net Credits for Stores, &c. returned.

NAME OF SHIP.	Rate or Class of Ship.	Number of Guns.	Horse Power.	Tonnage.	Periods within which the Expense was Incurred.		Dockyards at which the Expense has been Incurred.	Page of Detailed Abstract.	EXPENDITURE INCURRED DURING THE YEAR 1874-75.						REMARKS.	
					From	To			Value of Materials Issued.	Wages.	Payments to Con- tractors,&c. Made and Allowed at Admiralty.	Gross Total, excluding Incidental and Establish- ment Charges.	Value of Materials Returned.	Net Total, excluding Incidental and Establish- ment Charges.		Incidental and Establish- ment Charges.
Ajax (late "Vanguard")	2nd Rate -	-	-	2,609 (3,542)	15 Mar. 1875	20 Mar. 1875	Chatham -	152	£.	-	£.	8	£.	-	£.	
Amphitrite -	6th Rate -	-	-	1,068 (1,447)	2 Jan. "	15 Feb. "	Devonport -	409	-	-	514	514	2,180	1,666		
Andromache (late Powder Depôt).	6th Rate -	-	-	717 (968)	5 Feb. "	20 Mar. "	- ditto -	409	-	-	349	349	1,365	1,016		
Bee -	Tender -	-	10	42	9 Sept. 1874	25 Sept. 1874	Sheerness -	215	-	-	16	16	186	170		
Creole -	6th Rate -	-	-	923 (958)	11 Feb. 1875	16 Mar. 1875	Devonport -	409	-	-	457	457	2,283	1,826		
Drake -	Cutter -	-	-	83	9 Jan. "	13 Mar. "	Chatham -	152	-	-	46	46	361	315		
Dreadnought -	1st Rate -	-	-	2,712 (4,452)	21 Dec. 1874	20 Mar. "	- ditto -	152	-	-	1,477	1,477	4,899	3,422		
Erne -	Gun Boat -	2	60 (212)	234 (284)	18 May "	31 Oct. 1874	- ditto -	152	-	-	121	121	1,253	1,432		
Handy -	5th Rate -	-	-	1,087 (1,557)	28 Dec. "	20 Mar. 1875	- ditto -	152	-	-	577	577	1,914	1,337		
Latona -	5th Rate -	-	-	1,071 (1,447)	2 Dec. "	20 Mar. "	- ditto -	152	-	-	594	594	2,198	1,604		
Leo -	Gun Vessel -	5	80 (352)	431 (570)	9 Feb. 1875	20 Mar. "	Sheerness -	215	-	-	214	214	2,020	1,806		
Lucifer -	P. Vessel -	-	480	387	1 Feb. "	6 Feb. "	Portsmouth -	325	-	-	2	2	3	1		
Magnet -	Gun Boat -	2	60 (267)	238 (284)	20 April 1874	23 Oct. 1874	Chatham -	153	-	-	142	142	1,608	1,466		
Mermaid -	5th Rate -	-	-	1,085 (1,447)	21 Sept. "	20 Mar. 1875	Portsmouth -	325	-	-	188	188	-	188		
Mooring Lighter -	Late Chat- ham Yard Craft, No. 10.	-	-	124 (1,447)	8 Oct. "	17 Dec. "	Other than H.M. Yard, Sec. 1.	659	-	-	102	102	-	120		
		-	-		12 Oct. "	31 Jan. "	Chatham -	155	-	-	79	79	237	168		
Mooring Lighter, No. 4 -	Late Ports- mouth Yard Craft, No. 11.	-	-	197	2 Nov. "	12 Dec. 1874.	Portsmouth -	325	-	-	132	132	306	474		

No. 5.—SHIPS AND VESSELS BREAKING UP.—continued.

EXPENDITURE INCURRED DURING THE YEAR 1874-75.										REMARKS.							
NAME OF SHIP.	Rate or Class of Ship.	Number of Guns.	Horse Power.	Tonnage.	Periods within which the Expense was Incurred.		Dockyards at which the Expense has been Incurred.	Page of Abstract of Detailed	Value of Materials Issued.	Wages.	Payments to Contractors, &c. Made and Allowed at Admiralty.	Gross Total, excluding Incidental and Establishment Charges.	Value of Materials Returned.	Net Total, excluding Incidental and Establishment Charges.	Incidental and Establishment Charges.	Total Expense inclusive of Incidental and Establishment Charges.	
					From	To											
Mud Barge	-	-	-	94	30 Dec. 1874	20 Feb. 1875	Chatham	155	£. -	£. -	£. 47	£. 47	£. 161	£. 114	£.	£.	
Phaeton	-	28	400 (1,566)	2,396 (3,099)	21 Jan. 1875	20 Mar. "	- ditto	153	-	-	87	87	3,005	2,918			
Racer	-	9	-	579 (798)	21 Sept. 1874	30 Jan. "	Portsmouth	325	-	-	83	83	354	271			
Salsette	-	-	-	902	22 Mar. "	22 Oct. 1874	Chatham	153	-	-	10	10	550	540			
Scorpion	-	-	-	238 (278)	14 Sept. "	26 Jan. 1875	- ditto	153	-	-	136	136	667	531			
Seringapatam	-	-	-	1,152 (1,490)	1 April "	31 Mar. "	Cape of Good Hope.	517	2	-	34	36	514	478			
Seyvern	-	28	500 (2,092)	2,767 (3,485)	11 Jan. 1875	23 Jan. "	Chatham	154	-	-	20	20	-	20			
Spanker	-	2	60 (210)	234 (284)	11 May 1874	29 Oct. 1874	- ditto	154	-	-	132	132	1,596	1,464			
Swan	-	-	-	144	1 Dec. "	20 Mar. 1875	Sheerness	215	-	-	71	71	307	236			
Tenedos	-	-	-	1,083	18 April "	20 Mar. "	Bermuda	505	-	-	90	90	719	629			
Thunder	-	14	150 (668)	1,469 (4,672)	23 Mar. "	31 Oct. 1874	Chatham	154	-	-	804	804	3,829	3,025			
Tortoise	-	-	-	163	2 April 1874	19 Dec. "	Devonport	409	-	-	58	58	278	220			
Volage	-	-	-	516 (742)	12 Oct. "	27 Jan. 1875	Chatham	155	-	-	337	337	1,824	1,487			
Watch Vessel, No. 3	-	-	-	90	14 Sept. "	10 Dec. 1874	- ditto	155	-	-	56	56	117	61			
Watch Vessel, No. 19	-	-	-	167	27 Mar. "	20 June "	Sheerness	215	-	-	64	64	256	192			
Watch Vessel, No. 25	-	-	-	330	20 April "	5 Sept. "	Chatham	155	-	-	163	163	664	501			
Watch Vessel, No. 26	-	-	-	319	28 Sept. "	18 Feb. 1875	- ditto	155	-	-	196	196	644	448			
Watch Vessel, No. 27	-	-	-	120	22 June "	14 Aug. 1874	- ditto	155	-	-	71	71	455	384			
Watch Vessel, No. 37	-	-	-	118	17 Aug. "	17 Oct. "	- ditto	155	-	-	72	72	551	479			
Wellesley	-	-	-	1,751 (2,504)	13 Nov. "	20 Mar. 1875	Sheerness	215	-	-	872	872	4,474	3,602			
TOTAL - - - £.									2	-	8,421	8,423	41,808	33,385	1,625	31,760	

ABSTRACT.

Note.—The Figures printed in *Italics* show the Amount of Net Credits for Stores, &c., returned.

SERVICE.	Page.	DESCRIPTION.	Value of Materials Issued.	Wages.	Payments to Contractors, &c. Made and Allowed at Admiralty.	Stores Issued from one Ship to another.	Gross Total, excluding Incidental and Establishment Charges.	Value of Materials Returned.	Net Total, excluding Incidental and Establishment Charges.	Incidental and Establishment Charges.	Total Expense, inclusive of Incidental and Establishment Charges.
No. 1.—Ships Building and Completing for Sea Service	10	Iron Clads built by Contract	£. 611	£. 199	£. 31,526	—	£. 32,336	£. 408	£. 31,928	£. 157	£. 32,085
	11	Iron Clads built in Her Majesty's Dockyards.	419,778	187,637	117,217	—	724,632	14,396	710,236	110,329	820,565
	19	Not Iron Clad - - -	191,886	129,474	487,265	—	808,625	22,628	785,997	75,956	861,953
							TOTAL No. 1, Ships Building - - £.				
No. 2.—Wear and Tear and Maintenance of the Fleet, in Commission and in Reserve, including Repairs, Refits, Alterations, Works rendered necessary by New Armaments, and the renewal of Worn-out and Perishable Stores, such as Rigging, Rope, Sails, Blocks, &c.	21	Iron Clads built by Contract	58,621	31,229	106	<i>Cr. 287</i>	89,669	32,444	57,225	21,882	79,107
	24	Iron Clads built in Her Majesty's Dockyards.	61,157	23,825	1,182	<i>Cr. 524</i>	85,640	18,803	66,837	18,715	85,552
	53	Not Iron Clad - - -	290,553	78,269	42,565	811	412,198	99,447	312,751	98,177	410,928
							TOTAL No. 2, In Commission - - £.				
No. 3.—Hulks, Repairing, &c.	55	Iron Clads built by Contract	79,652	65,013	21,247	—	165,912	23,618	142,294	41,504	183,798
	56	Iron Clads built in Her Majesty's Dockyards.	35,944	27,537	8,938	—	72,419	18,546	53,873	18,056	71,929
	66	Not Iron Clad - - -	187,798	132,741	66,214	—	386,753	71,795	314,958	84,104	399,062
							TOTAL No. 2, In Reserve - - £.				
No. 4.—Steam Tugs, Yard Craft, Coal Depôts, &c., Building, Fitting, Refitting, &c.	70	- - - - -	8,832	2,821	2,160	—	13,813	10,183	3,630	2,682	6,312
No. 5.—Ships and Vessels Breaking up - - -	80	- - - - -	29,293	21,633	32,421	—	83,347	8,731	74,616	17,232	91,848
	82	- - - - -	2	—	8,421	—	8,423	41,808	33,385	1,625	31,760
		TOTAL - - - £.	1,364,127	700,378	819,262	—	2,883,767	362,807	2,520,960	490,419	3,011,379

DEPTFORD STOREYARD.

INDEX.

	PAGE.
Statement connecting Navy Estimates and Expense Accounts - - -	86
General Balance Sheet - - - - - No. 1 - -	88
Income Account - - - - - No. 2 - -	90
Capital Account - - - - - No. 3 - -	94
Ships Account - - - - - No. 4 - -	95
Account of Dockyard Charges incidental to Shipbuilding, Equipping, &c. - - - - - No. 5 - -	102
Harbour and Dockyard National Charges Account - - No. 6 - -	106
Depreciation and Appreciation Account - - - - - No. 7 - -	108
Account of other than Dockyard Services - - - - - No. 8 - -	109
Conversions Account - - - - - No. 9 - -	111
Account of Supplies to, and Receipts from, other Yards - No. 10 - -	113
Balance Account - - - - - No. 11 - -	114

DEPTFORD STOREYARD.

STATEMENT showing the Total Amounts granted and the Total Amounts expended for the NAVY under each VOTE as they appear in the published RETABULATION of the STATEMENT of the SURPLUSES and DEFICITS on the NAVY GRANTS, No. 183, of Session 1876 ; also, Portion of Division 1 appertaining to DEPTFORD STOREYARD (pp. 592 to 597 of Report).

Number of Vote.	TITLE OF VOTE.	Division 1. NAVAL YARDS.				Number of Vote.	Portion of Division 1 appertaining to DEPTFORD STOREYARD.			
		Expenditure.		Grant.			Expenditure.		Grant.	
		Page in Retabulation of Navy Statement of the Surpluses and Deficits.	£.	Page in Retabulation of Navy Statement of the Surpluses and Deficits.	£.		Page in Retabulation of Navy Statement of the Surpluses and Deficits.	£.	Page in Retabulation of Navy Statement of the Surpluses and Deficits.	£.
6	DOCKYARDS AND NAVAL YARDS AT HOME AND ABROAD - - - - - }	14	1,253,610	14	1,253,326	6	14	6,858	14	6,777
10	NAVAL STORES FOR THE BUILDING, REPAIR, AND OUTFIT OF THE FLEET AND COAST GUARD, STEAM MACHINERY, AND SHIPS BUILT BY CONTRACT:									
	SECT. I.—NAVAL STORES - - - - - }	14	1,378,383	14	1,175,159	10, Sect. I.	14	80,835	14	144,900
	SECT. II.—STEAM MACHINERY AND SHIPS BUILT BY CONTRACT - - - - - }	14	823,657	14	828,679	10, Sect. II.	14	—	14	—
11	NEW WORKS, BUILDINGS, MACHINERY, AND REPAIRS - - - - - }	14	502,671	14	579,209	11	14	119	14	—
	TOTAL VOTES, 6, 10, AND 11 - - -	14	3,958,321	14	3,836,373	- -	14	87,812	14	151,677
16	SECT. II.—CIVIL PENSIONS AND ALLOWANCES -	14	167,125	14	162,899	16, Sect. II.	-	** 449	-	† 449
	TOTAL Division 1, NAVAL YARDS - - £.		4,125,446	14	3,999,272					
TOTAL Portion of Division 1 appertaining to DEPTFORD - - - £.								88,261	-	152,126

** To meet the Estimated Current Charge for Deferred Annuities, equal to 7 per cent. on the salaries to Dockyard Officers, and on the total wages paid in the year to Established Workmen, on account of the prospect of Pensions on their Retirement; see Paper from the Actuary of the National Debt, page viii* of Parliamentary Paper, No. 454, of Session 1867.

In the Retabulation of the Surpluses and Deficits, the whole amount against Vote 16, Sect. II., chargeable to Division 1, "Naval Yards," is shown under Column "Other than Yards." In this account, however, the amount for Deptford has been calculated in accordance with the principle laid down by the Actuary of the National Debt (see Note above).

† The amounts inserted in the "Grant" columns for the several Yards are the same as the calculated Expenditure.

Supplementary Estimates are included in the amounts appearing in the "Grant" column.

H. WALKER,
Accountant General of the Navy, and
Comptroller of Navy Pay.

No. 1.
EXPENSE ACCOUNTS.

DEPTFORD STOREYARD.

ANNUAL BALANCE SHEET of SHIP BUILDING and other DOCKYARD
TRANSACTIONS in Financial Year 1874-75.

No.
EXPENSE
DEPTFORD

ANNUAL BALANCE SHEET of SHIP BUILDING and

*Dr.*For Details, *see separate*

To Amounts Paid, as per Statement of the Surpluses and Deficits, under the following Votes, and shown in the Income Account, viz.:	Page	£.
VOTE No. 6 :		
Salaries, &c. - - - - -	90	1,392
Contingencies - - - - -	90	86
Wages to Artificers, &c. - - - - -	90	5,037
Wages, Yard Service Afloat - - - - -	90	73
Wages, Police Force - - - - -	90	270
TOTAL VOTE No. 6 - - - - -	90	6,858
VOTE No. 10, Section I.:		
Naval Stores, &c. - - - - -	90	80,835
VOTE No. 11:		
Contingencies (Works and Repairs) - - - - -	90	119
TOTAL Votes, Nos. 6 and 10 (actual Money paid) - - - - -	90	87,812
* Vote No. 16. Estimated Amounts as charged to Ships and Services	90	449
TOTAL Votes, Nos. 6, 10, and Estimated Amount of } £. Vote 16, being Total Debit from Parliamentary Votes - }	-	88,261
To adjusting Entry, principally consisting of the Value of Stores paid for by other Departments, &c., and consequently not appearing as a final Financial Charge to Vote 10, Sect. I. - - - - - }	90	10,736
To Amounts for Services other than those pertaining to Dockyards - - - - -	90	8
To adjusting Entry on account of the Value of Materials taken on charge by the Storekeeper, and debited to Stock, up to the last day of the Financial Year, but not paid for in the Year - - - - - }	92	1,428
To Value of Land on 21st March 1874 - - - - -	-	-
To Value of Buildings on 21st March 1874 - - - - -	-	-
To Value of Machinery on 21st March 1874 - - - - -	676	24,601
To Value of Stock on 21st March 1874 - - - - -	684	127,400
TOTAL - - - - - £.		252,434

* To meet the Estimated Current Charge for Deferred Annuities, equal to 7 per Cent. on the Salaries to Dockyard Officers, and on the Total Wages paid in the Year to Established Workmen, on account of the prospect of Pensions on their Retirement; *see* Paper from the Actuary of the National Debt, page viii* of Parliamentary Paper, No. 454, of Session 1867.

1.

A C C O U N T S.

STOREYARD.

other DOCKYARD TRANSACTIONS in Financial Year 1874-75.

Accounts (Nos. 2 to 11).

Cr.

By Expenditure under the following Heads, as per Detailed Ship Account, viz.:	Page	£.
Ships Building and Completing for Sea Service - - - -	101	4
Maintaining Ships in Commission - - - -	101	434
Maintaining, Repairing, &c. Ships in the Reserves - - - -	101	97
Steam Tugs, Yard Craft, Coal Depôts, &c., Building, Fitting, Refitting, &c. - - - -	101	289
£.	101	824
By Coals for Coaling Steam Ships - - - -	114	23
By Value of Materials issued to Contractors for Re-manufacture -	94	5,192
By Net Expenditure for Harbour and Dockyard National Services -	106	1,297
By Net Charge to Depreciation, &c. Account - - - -	108	3,070
By Net Expenditure for Services other than those pertaining to Dockyards - - - -	109	4,008
By Net Charge to other Yards at Home and Abroad - - - -	113	61,986
By Payments to Exchequer of Proceeds of Sale of Old Stores, &c. -	93	691
By adjusting Entry for Stores paid for in the Year, but taken on charge and included in Value of Stock in the preceding Year -	93	2,180
By Value of Land on 20th March 1875 - - - -	-	-
By Value of Buildings on 20th March 1875 - - - -	-	-
By Value of Machinery on 20th March 1875 - - - -	676	*24,601
By Value of Stock on 20th March 1875 - - - -	684	148,562
£.		252,434

H. WALKER,
Accountant General of the Navy,
and Comptroller of Navy Pay.

* This represents the value as brought from last year's Account, and it may not therefore represent the value of the machinery in the yard on the 20th March 1875. It cannot, however, be dealt with differently until a re-valuation is made, and depreciation, &c. accounted for.

DEPTFORD

No.

Dr.

INCOME

To BALANCE ACCOUNT (p. 114):

For Amounts which have come in course of Payment, in the Financial Year, under the following Votes of the Naval Estimates appertaining to Deptford Storeyard, as per Statement of the Surpluses and Deficits, viz.:

VOTE No. 6:

	£.
Salaries, &c. - - - - -	1,392
Contingencies - - - - -	86
Wages to Artificers, &c. - - - - -	5,037
Wages, Yard Service Afloat - - - - -	73
Wages of Police Force - - - - -	270

6,858

VOTE No. 10, Section I.:

Timber, Masts, Deals, &c. - - - - -	5,894
Metals and Metal Articles - - - - -	16,105
Coals and other Fuel - - - - -	191
Hemp, Canvas, &c. - - - - -	32,232
Paint Materials, Oil, Pitch, &c. - - - - -	25,547
Freight and Sundry Expenses connected with Naval Stores - - - - -	866

80,835

VOTE No. 11:

New Works, &c.—Land, Buildings, Docks, &c., viz. :—

Contingencies (Works and Repairs) - - - - -	119
---	-----

87,812

VOTE No. 16. For Estimated Current Charge for Deferred Annuities, equal to 7 per Cent. on the Salaries to Dockyard Officers, and on the Total Wages paid in the Year to Established Workmen, on account of the prospect of Pensions on their Retirement; see Paper from the Actuary of the National Debt, page viii* of Parliamentary Paper, No. 454, of Session 1867 - - - - -

449

For adjusting Entry, principally consisting of the Value of Stores paid for by other Departments, &c., and consequently not appearing as a final Financial Charge to Vote 10, Sect. I. - - - - -

10,736

For Amount paid by Cashiers of Her Majesty's Dockyards to Artificers, &c., hired for performance of Work, other than that relating to Dockyard Services, and charged direct to those Services in the Admiralty Ledger, and not appearing as a Charge to Vote No. 6 in the Statement of the Surpluses and Deficits, viz. :—

	£.
Other Naval Votes not relating to Dockyard Services - - - - -	4
Private Individuals - - - - -	4

8

Carried forward - - - - £.

99,005

STOREYARD.

2.

ACCOUNT.

Cr.

By SHIPS (p. 95):

£.

For Amount charged direct, viz :

Wages to Artificers, &c.	-	-	-	-	-	-	-	-	-	-	-	-	-	14
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By CAPITAL ACCOUNT (p. 94):

£.

For Value of Stores taken on Charge during the Year as received from Contractors	89,953
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For - ditto - as returned from Ships	-	-	-	-	-	-	-	421
--------------------------------------	---	---	---	---	---	---	---	-----

For - ditto - - ditto - from Services incidental to Ship Building, Equip-	
ping, &c.	223

For - ditto - - ditto - from Harbour and Dockyard National Services -	62
---	----

For - ditto - - ditto - from Depreciation and Appreciation of Stock, including Increase in the Value of Stock on Annual Re-valuation - - - - -	6,964
--	-------

For Value of Stores taken on Charge during the Year, as received from other than Dockyard Services - - - - -	1,038
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For - ditto - from Conversions	- - - - - - - -		10,335
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For - ditto - from other Yards - - - - -	61,163
--	--------

170,159

By DOCKYARD CHARGES INCIDENTAL TO SHIP BUILDING, EQUIP-
PING, &c. (p. 102):

For Amount charged on account of the undermentioned Services, viz.:

Salaries, &c.	-	-	-	-	-	-	-	-	-	-	-	696
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Contingencies " - - - - -	\$6
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Wages to Artificers, &c., including Wages, Yard Service Afloat	3,436
--	-------

Wages, Police Force - - - - -	135
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Freight and Sundry Expenses connected with Naval Stores	-	-	-	-	866
---	---	---	---	---	-----

Contingencies (Works and Repairs) - - - - -	119
---	-----

Estimated Current Charge for Deferred Annuities on account of Pensions to Dockyard Officers and Established Workmen	-	-	-	-	-	-	401
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5,739

Carried forward - - - £.	175,912
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Dr.

DEPTFORD STOREYARD.

			£.
	Brought forward - - -		99,005
To BALANCE ACCOUNT (p. 114):			
For Adjusting entry on account of the Value of Materials taken on charge by the Storekeeper, and debited to Stock up to the last day of the Financial Year, but not paid for in the Year - - -			1,428
To SHIPS (p. 95):			
For Value of Materials returned into Store - - - - -			421
To DOCKYARD CHARGES INCIDENTAL TO SHIP-BUILDING, EQUIPPING, &c. (p. 103):			
For Value of Materials returned into Store - - - - -			223
To HARBOUR AND DOCKYARD NATIONAL CHARGES (p. 106):			
For Value of Materials returned into Store - - - - -			62
To DEPRECIATION AND APPRECIATION ACCOUNT (p. 108):			
For Value of Stores returned to Stock after Survey:	£.	£.	
Timber - - - - -			
Stores - - - - -	280		
For Increase in the Value of Stock on Annual Re-valuation:			
Timber - - - - -			
Stores - - - - -	4,227		
For Approximate Value of Stock found Surplus on Continuous Survey:			
Timber - - - - -	350		
Stores - - - - -	2,107	6,964	
For Proceeds of Sale (Cash not shown in Stock Valuation Account):			
Timber - - - - -			
Stores - - - - -	691	691	
			7,655
To OTHER THAN DOCKYARD SERVICES (p. 109):			
For Value of Materials returned into Store - - - - -			1,038
To CONVERSIONS (p. 111):		£.	
For Value of Manufactured Produce returned into Store - - - - -		9,932	
For Value of unconsumed Material and Work in hand at the end of the Year - - - - -		353	
			10,335
To OTHER YARDS (p. 113):			
For Value of Stores received from other Yards - - - - -			61,163
		£.	181,330

No. 2.—INCOME ACCOUNT—*continued.*

Cr.

Brought forward - - -		£.	175,912
By HARBOUR AND DOCKYARD NATIONAL CHARGES (p. 106):			
For Amount charged on account of the undermentioned Services, viz.:		£.	
Salaries, &c. - - - - -		696	
Wages to Artificers, &c. - - - - -		399	
Wages, Police Force - - - - -		135	
Estimated Current Charge for deferred Annuities on account of Pensions to Dockyard Officers - - - - -		48	
			1,278
By OTHER THAN DOCKYARD SERVICES (p. 109):			
For Expenditure during the Year, viz.:			
Wages to Artificers, &c. - - - - -			8
By CONVERSIONS (p. 111):			
For Expenditure during the Year, viz.:			
Wages to Artificers, &c. - - - - -			1,261
By BALANCE ACCOUNT (p. 114):			
For adjusting entry on account of the Value of Material taken on charge by Store-keeper prior to this Financial Year, but paid for in this Year - - - - -		£.	
		2,180	
For Payments, to Exchequer of Proceeds of Sale of old Stores, &c. - - - - -		691	
			2,871
		£.	181,330

DEPTFORD STOREYARD.—No. 4.—SHIPS—continued.

DETAILED SHIP ACCOUNT, showing the Amount of WAGES Paid, the Value of MATERIALS Issued and Returned, and the Share of INCIDENTAL EXPENSES and ESTABLISHMENT CHARGES on account of SHIPS Building, Repairing, &c., during the Year ended 20th March 1875.

No. 1.—SHIPS BUILDING AND COMPLETING FOR SEA SERVICE.

Note.—The Figures printed in *Italics* in the Money Columns show the Amount of Net Credits for Stores, &c. returned.

NAME OF SHIP.	PERIODS within which the Expense was incurred.		Tonnage.	Horse Power.	Number of Guns.	Detailed Head of Charge.		Value of Materials Issued.	Wages.	Payments to Con- tractors, &c. Made and Allowed at Admiralty.	Gross Total, excluding Incidental and Estab- lishment Charges.	Value of Materials Returned.	Net Total, excluding Incidental and Estab- lishment Charges.	Incidental and Estab- lishment Charges.	Total Expense, inclusive of Incidental and Estab- lishment Charges.	REMARKS.	
	From	To															
NOT IRON CLAD:																	
CONTEST	-	-	(515)	(440)	4	-	Hall - - - -	£. 1	£. -	£. -	£. 1	£. -	£. 1	£. -	£. -	-	Magnet bars.
CYGNET	-	-	(457)	(440)	4	-	Hull - - - -	£. 1	£. -	£. -	£. 1	£. -	£. 1	£. -	£. -	-	ditto.
EGERIA	-	-	120 (4014)	727 (894)	4	-	Hull - - - -	£. 1	£. -	£. -	£. 1	£. -	£. 1	£. -	£. -	-	ditto.
EXPRESS	-	-	(438)	(440)	4	-	Hull - - - -	£. 1	£. -	£. -	£. 1	£. -	£. 1	£. -	£. -	-	ditto.
TOTAL						- - - -	Hull - TOTAL - £.	4	-	-	4	-	4	-	-	-	See Abstract (p. 101).

No. 2.—WEAR AND TEAR AND MAINTENANCE OF THE FLEET, IN COMMISSION AND IN RESERVE, including REPAIRS, REFITS, ALTERATIONS, WORKS rendered necessary by NEW ARMAMENTS, and the RENEWAL OF WORN-OUT and PERISHABLE STORES, such as RIGGING, ROPE, SAILS, BLOCKS, &c.

IRON CLADS BUILT BY CONTRACT:

IN COMMISSION:

AUDACIOUS	-	14	800 (4,021)	3,774 (6,034)	- On the 29th Jan. 1875 -	Hull - TOTAL	£. 2	£. —	£. 2	£. —	£. 2	£. —	See Abstract (p. 101) - Magnet bars,
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IRON CLADS BUILT IN HER MAJESTY'S DOCKYARDS:

O.C.I.	IRON DUKE	-	14	800 (4,268)	3,787 (6,034)	- On the 15th April 1874 -	Rigging and Stores	-	11	-	11	-	-	-	-	Casual supplies.
	REPULSE	-	-	12	800 (3,347)	3,749 (6,490)	- On the 23rd April 1874 -	Rigging and Stores	-	9	-	-	-	-	-	- ditto.
	TOTAL - - -															
							Rigging and Stores £.		20	-	20	-	-	20	See Abstract (p. 101).	
NOT IRON CLAD:																
IN COMMISSION:																
	ADVENTURE	-	-	2	400 (1,227)	1,794 (2,510)	- On the 23rd June 1874 -	Hull	-	1	-	-	-	1	-	Magnet bars.
	ALBATROSS	-	-	4	120 (838)	727 (594)	- On the 23rd June 1874 -	Hull	-	1	-	-	-	1	-	- ditto.
	AMETHYST	-	-	14	350 (2,444)	1,405 (4,890)	10 Dec. 1874 9 Jan. 1875	Rigging and Stores	-	227	-	-	-	227	-	Sails and casual supplies.
	ARROW	-	-	1	28 (264)	245 (254)	- On the 18th June 1874 -	Engineers' Stores	-	1	-	-	-	1	-	Casual supplies.
	BITTERN	-	-	3	160 (351)	663 (774)	- On the 14th April 1874 -	Rigging and Stores	-	-	18	-	-	48	-	Casual returns.
	COLUMBINE	-	-	3	150 (598)	672 (913)	- On the 4th July 1874 -	Rigging and Stores	-	-	4	-	-	4	-	- ditto.
	DARING	-	-	4	120 (916)	727 (894)	- On the 29th Jan. 1875 -	Hull	-	1	-	-	-	1	-	Magnet bars.
	DRUID	-	-	10	350 (2,272)	1,322 (4,870)	- On the 27th May 1874 -	Rigging and Stores	-	-	34	-	-	34	-	Casual returns.
	DRYAD	-	-	9	300 (1,464)	1,086 (4,574)	- On the 6th Oct. 1874 -	Hull	-	1	-	-	-	1	-	Magnet bars.
	FIGGARD	-	-	22	-	1,069 (4,447)	11 July 1874 26 Oct. 1874	Rigging and Stores	-	6	-	-	-	6	-	Casual supplies.
	FLY	-	-	4	120 (439)	464 (584)	- On the 6th Oct. 1874 -	Hull	-	1	-	-	-	1	-	Magnet bars.

DEPTFORD STOREYARD.—No. 4.—DETAILED SHIP ACCOUNT—continued.

No. 2.—WEAR AND TEAR AND MAINTENANCE OF THE FLEET, IN COMMISSION AND IN RESERVE, including REPAIRS, REFITS, ALTERATIONS, &c.—continued.

NAME OF SHIP.	Number of Guns.	Horse Power.	Tonnage.	PERIODS within which the Expense was incurred.		Detailed Head of Charge.	Value of Materials Issued.	Wages.	Payments to Con- tractors,&c. Made and Allowed at Admiralty.	Gross Total, excluding Incidental and Establish- ment Charges.	Value of Materials Returned.	Net Total, excluding Incidental and Establish- ment Charges.	Incidental and Estab- lishment Charges.	Total Expense, inclusive of Incidental and Estab- lishment Charges.	REMARKS.
				From	To										
NOT IRON CLAD—continued.															
IN COMMISSION—continued.															
FLYING FISH -	-	4	120 (836)	72" (894)	-	Hull -	1	-	-	1	-	1	-	-	Magnet bars.
FOAM -	-	4	60 (406)	205 (430)	-	Rigging and Stores -	4	-	-	4	-	4	-	-	Casual supplies.
GLASGOW -	-	28	600 (2,020)	3,037 (4,020)	-	Rigging and Stores -	30	-	-	30	-	30	-	-	ditto.
LONDON -	-	-	-	2,687 (4,375)	-	Rigging and Stores -	17	-	-	17	-	17	-	-	ditto.
MAGPIE -	-	3	160 (357)	665 (774)	-	Rigging and Stores -	17	-	-	17	-	17	-	-	ditto.
NASSAU -	-	4	150 (755)	695 (877)	-	Rigging and Stores -	75	-	-	75	-	75	-	-	ditto.
NIMBLE -	-	5	80 (390)	498 (570)	-	Rigging and Stores -	17	-	-	17	-	17	-	-	ditto.
OSBORNE -	-	-	450 (2,700)	1,536 (—)	-	Hull -	1	-	-	1	-	1	-	-	Magnet bars.
PEMBROKE -	-	-	Late 200 (372)	1,758 (2,842)	-	Rigging and Stores -	6	-	-	6	-	6	-	-	Casual supplies.
PRESIDENT -	-	10	-	1,537 (1,909)	-	Rigging and Stores -	-	-	-	-	8	8	-	-	Casual returns.

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DEPTFORD STOREYARD.—No. 4.—DETAILED SHIP ACCOUNT—continued.

No. 4.—STEAM TUGS, YARD CRAFT, COAL DEPÔTS, BUILDING, FITTING, REFITTING, &c.

Yard to which the Craft is Attached.	Name and Description of Yard Craft.	Horse Power.	Tonnage.	PERIODS within which the Expense was incurred.		Detailed Head of Charge.	Value of Materials Issued.	Wages.	Payments to Contractors, &c. Made and Allowed at Admiralty.	Gross Total, excluding incidental and Establishment Charges.	Value of Materials Returned.	Net Total, excluding incidental and Establishment Charges.	Incidental and Establishment Charges.	Total Expense, inclusive of incidental and Establishment Charges.	REMARKS.
				From	To										
DEPTFORD YARD.	Steam Launch, No. 36.	6	23	17 April 1874	15 Mar. 1875	Hull - - - - Rigging and Stores - Total - - - £.	£. 17 2 19	£. 8 — 8	£. — — —	£. 25 2 27	£. 3 — 3	£. 22 2 24	—	—	Casual repairs, supplies, and returns.
	No. 1 ("STEADY")	—	103	15 June "	31 Dec. 1874	Engineers' Stores - Hull - - - - Rigging and Stores - Total - - - £.	1 2 6 8	— — — —	— — — —	1 2 6 8	— — — —	1 2 6 8	—	—	Casual supplies.
	No. 4 ("TRUSTY")	—	102	15 June "	31 Dec. "	Hull - - - - Rigging and Stores - Total - - - £.	2 6 8	— — —	— — —	2 6 8	— — —	2 6 8	—	—	- ditto.
	BUSTLER - (Steam Tug).	100 (304)	217 (—)	- On the 15th May 1874 -		Engineers' Stores -	4	—	—	4	—	4	—	—	- ditto.
CHATHAM YARD.	DUCK - (Late Chatham Yard Craft, No. 4).	—	111	22 May 1874	27 May 1874	Rigging and Stores -	7	—	—	7	1	6	—	—	Casual supplies and returns.
	BOYITA - (Late Royal Victoria Yard Craft, No. 4).	—	78	4 April "	9 Jan. 1875	Rigging and Stores -	19	3	—	22	3	19	—	—	Casual supplies and returns, and repairs to sails.
	BUFFALO - (Steam Vessel for conveying Stores.)	80 (252)	440 (—)	4 April "	1 Feb. "	Rigging and Stores - Engineers' Stores -	88 49	— —	— —	88 49	7 —	81 49	—	—	Casual supplies and returns.
	MARY - (Late Royal Victoria Yard Craft, No. 3).	—	78	4 April "	13 Mar. "	Rigging and Stores -	43	2	—	45	4	41	—	—	Casual supplies and returns, and repairs to sails.
ROYAL VICTORIA YARD.	No. 2 ("LOUISA")	—	81	23 April "	3 Dec. 1874	Rigging and Stores -	35	1	—	36	3	33	—	—	Casual supplies and returns.
	No. 7 ("DEPTFORD.")	—	102	19 Nov. "	30 Nov. "	Rigging and Stores -	5	—	—	5	1	4	—	—	- ditto.
						Hull - - - - Rigging and Stores - TOTAL - - - £.	21 211 232	8 6 14	— — —	29 217 246	3 19 22	26 198 224	—	—	See Abstract (p. 101).
						Engineers' Stores -	54	—	—	54	—	54	—	—	

DEPTFORD DOCKYARD.—No. 4.—DETAILED SHIP ACCOUNT—continued.

A B S T R A C T.

S E R V I C E.	Page.	DESCRIPTION.	Detailed Head of Charge.	Value of Materials Issued.	Wages.	Payments to Contractors, &c. Made and Allowed at Admiralty.	Gross Total, excluding Incidental and Establishment Charges.	Value of Materials Returned.	Net Total, excluding Incidental and Establishment Charges.	Incidental and Establishment Charges.	Total Expense, inclusive of Incidental and Establishment Charges.
No. 1.—Ships Building and Completing for Sea Service	96	Not Iron Clad	Hull - - - TOTAL - £.	£. 4	—	—	£. 4	—	£. 4	—	£. 4
No. 2.—Wear and Tear and Maintenance of the Fleet, in Commission and in Reserve, including Repairs, Refits, Alterations, Works rendered necessary by New Armaments, and the Re- newal of Worn-out and Perishable Stores, such as Rigging, Rope, Sails, Blocks, &c.:— In Commission	96 97	Iron Clads built by Contract Iron Clads built in Her Majesty's Dockyards	Hull - - - TOTAL - £. Rigging and Stores - TOTAL £.	2	—	—	2	—	2	—	2
	99	Not Iron Clad	Hull - - - Rigging and Stores - - - Engineers' Stores - - - TOTAL - - - £.	11 416 343 770	— — — —	— — — —	11 416 343 770	— 396 3 399	11 20 340 371	40	411
In Reserve	99	Not Iron Clad	Hull - - - TOTAL - £.	94	—	—	94	—	94	3	97
No. 4.—Steam Tugs, Yard Craft, Coal Depôts, &c., Building, Fitting, Refitting, &c.:—	100	- - -	Hull - - - Rigging and Stores - - - Engineers' Stores - - - TOTAL - - - £.	21 211 54 286	8 6 — 14	— — — —	29 217 54 300	3 19 — 22	26 198 54 278	11	289
		TOTAL	Hull - - - Rigging and Stores - - - Engineers' Stores - - - GRAND TOTAL - - - £.	132 647 397 1,176	8 6 — 14	— — — —	140 653 397 1,190	3 415 3 421	137 238 394 769	55	824

DEPTFORD

No.

Dr.

DOCKYARD CHARGES INCIDENTAL TO

To INCOME ACCOUNT (p. 91) :—		£.	£.
For Amount shown against the Services in the Detailed Account, annexed, viz :—			
Salaries, &c. - - - - -		696	
Contingencies - - - - -		86	
Wages to Artificers, &c., including Wages, Yard Service Afloat, and Hire of Teams - - - - -		3,436	
Wages, Police Force - - - - -		135	
Freight and sundry Expenses connected with Naval Stores - - - - -		866	
Contingencies (Works and Repairs) - - - - -		119	
Estimated Current Charge for Deferred Annuities, equal to 7 per Cent. on the Salaries to Dockyard Officers, and Wages paid to Established Workmen, on account of the prospect of Pensions on their Retirement - - - - -		401	
			5,739
To CAPITAL ACCOUNT (p. 94) :—			
For Value of Stores drawn for the Services named in the Detailed Account - - - - -			3,725
To CONVERSIONS (p. 111) :—			
For Amount of the Excess Cost of Manufactured Produce over the Value at which it has been charged to Stock for subsequent issue - - - - -			211
To OTHER YARDS (p. 113) :—			
For Proportion of Cost of Shipment, at the following Yards, of Stores received at Deptford Yard, viz :—	£.		
Chatham - - - - -	396		
Sheerness - - - - -	85		
Portsmouth - - - - -	216		
Devonport - - - - -	72		
Foreign Yards - - - - -	50		
			819
		£.	10,494

STOREYARD.

5.

SHIP-BUILDING, EQUIPPING, &c.

Cr.

By INCOME ACCOUNT (p. 92):—	£.
For Value of Materials returned into Store - - - - -	223
By OTHER THAN DOCKYARD SERVICES (p. 109):	
For Proportion of Incidental and Establishment Charges on Materials issued to and returned from and on Labour employed on account of Other Branches of the Naval Service, Other Departments of Government, Private Individuals, &c. - - - - -	197
By CONVERSIONS (p. 111):—	
For Excess of Value at which Manufactured Produce has been charged to Stock for subsequent issue over the Cost thereof - - - - -	18
By OTHER YARDS (p. 113):—	
For Cost of Shipment of Stores to the following Yards, viz. :—	£.
Chatham - - - - -	268
Sheerness - - - - -	235
Portsmouth - - - - -	201
Devonport - - - - -	182
Pembroke - - - - -	7
Foreign Yards - - - - -	2,991
Foreign Yards, &c., from which no expense accounts are surrendered - -	161
For Proportion of Incidental and Establishment Charges on Materials issued to and received from Other Naval Yards, &c. at Home and Abroad - - - - -	4,045
	5,956
By SHIPS (p. 95):—	
For Proportion of Incidental and Establishment Charges on Labour charged direct to Ships and on Materials issued to and returned from Ships - - - - -	55
	£.
	10,494

DEPTFORD STOREYARD.—No. 5—continued.

DETAILED ACCOUNT of DOCKYARD CHARGES incidental to SHIP BUILDING, EQUIPPING, &c.

DETAILED HEAD OF CHARGE.	DEBITS.				CREDITS.			Net Amount Chargeable.
	Payments for Salaries, Rents, Contingencies, and other Charges.	Wages.	Materials Issued.	TOTAL.	Materials Returned.	Expense of Shipping Stores to other Yards, and other Credits.	TOTAL.	
	£.	£.	£.	£.	£.	£.	£.	£.
Crabs, winches, carts, waggons, timber carriages, sledges, barrows, ladders, &c. - - - - - }	-	-	89	89	54	-	54	35
Fire-engines, buckets, hoses, and other gear connected therewith: share of - - - - - }	-	-	4	4	-	-	-	4
Collecting old Timber, Chips, and Stores for Sale, and cleaning and clearing the Yard and Docks - - - - - }	-	33	12	45	-	-	-	45
Coals, candles, furniture, and other Stores for Officers' Offices - - - - - }	-	1	57	58	-	-	-	58
Wages of all single stationed men and boats' crews, to include Draughtsmen (except those in the mould loft), Writers (except Writers at Ropery, and manufacturing Writers at other shops whose pay is charged thereto), Acting Officers on day pay, Signalmen, Messengers, Postmen, Labourers, and Boys employed on general duties, not chargeable to any other detailed head of service; also petty stores used in connection with services on which these men are employed; but not including any expenses which could be charged to any specific Ship or Service: share of - - - - - }	-	330	-	330	-	-	-	330
Hurt money - - - - -	-	8	-	8	-	-	-	8
Landing, surveying, receiving, depositing, and issuing Timber - - - - - }	-	240	12	252	-	-	-	252
Landing, surveying, receiving, depositing, and issuing Stores - - - - -	-	1,526	307	1,833	71	-	71	1,762
Continuous Survey and Survey Valuation of Stock - - - - -	-	41	-	41	-	-	-	41
Shipping off Timber and Stores to other Yards at home and abroad (including the cost of packing cases and casks only when new and only at the Yards shipping the Store) }	-	1,067	3,069	4,136	91	-	91	4,045
Preservation of Timber, Boats, and other Stores - - - - -	-	161	158	319	7	-	7	312
Other miscellaneous charges - - - - -	-	29	17	46	-	-	-	46
Contingencies (Works and Repairs) - - - - -	119	-	-	119	-	-	-	119
Salaries of Officers, Clerks, &c. - - - - -	696	-	-	696	-	-	-	696

DEPTFORD STOREYARD.—No. 5—continued.

DETAILED ACCOUNT of Dockyard Charges incidental to Ship Building, Equipping, &c.—continued.

DETAILED HEAD OF CHARGE.	DEBITS.				CREDITS.			Net Amount Chargeable.
	Payments for Salaries, Rents, Contingencies, and other Charges.	Wages.	Materials Issued.	TOTAL.	Materials Returned.	Expense of Shipping Stores to other Yards, and other Credits.	TOTAL.	
Addition of 7 per cent. to the foregoing Salaries, on account of the prospect of Pensions on retirement to those Dockyard Officers who are entitled to the same	£. 48	£. -	£. -	£. 48	£. -	£. -	£. -	£. 48
Contingencies - - - - -	86	-	-	86	-	-	-	86
Wages, Police Force: share of - - - - -	135	-	-	135	-	-	-	135
Addition of 7 per cent. to the Wages of Established Workmen on account of the prospect of Pensions on their Retirement - - - - -	353	-	-	353	-	-	-	353
Freight and sundry expenses connected with Naval Stores -	866	-	-	866	-	-	-	866
Expenses incurred at other Yards, &c., shipping Stores to Deptford - - - - -	819	-	-	819	-	-	-	819
Cost of Manufactured Produce in excess of Rate Book Value - - - - -	211	-	-	211	-	-	-	211
Cost of Manufactured Produce less than Rate Book Value -	-	-	-	-	-	18	18	18
Expense incurred at Deptford, shipping off Stores to other Yards - - - - -	-	-	-	-	-	4,045	4,045	4,045
TOTAL, Incidental and Establishment Charges distributable <i>pro rata</i> on Materials, &c., being at the rate of 3·39 per cent. } £.	3,333	3,436	3,725	10,494	223	4,063	4,286	6,208

DISTRIBUTION OF THE ABOVE.

	Amount.	Amount on which Charged.		Rate per Cent.
	£.	Page.	£.	£.
Amount on Labour charged direct to Ships, and on Materials issued to and returned from Ships -	55	95	1,611	3·39
Amount on Materials issued to, and returned from, and Labour employed on account of other Branches of the Naval Service, other Departments of Government, Private Individuals, &c. -	197	110	5,811	3·39
Amount on Materials issued to, and received from, other Yards at Home - - - - -	2,737	113	80,508	3·39
Amount on Materials issued to, and received from, other Yards Abroad - - - - -	3,064	113	90,068	3·39
Amount on Materials issued to, and received from, other Yards, &c. Abroad, from which no Expense Accounts are rendered - - - - -	155	113	4,554	3·39
TOTAL Due to other Yards - - - £.	5,956			
GRAND TOTAL Incidental and Establishment Charges - - - £.	6,208			

DEPTFORD STOREYARD.

No. 6.

HARBOUR AND DOCKYARD NATIONAL CHARGES.

Cr.

Dr.

		£.	£.		£.
To INCOME ACCOUNT (p. 93) :—				By INCOME ACCOUNT (p. 92) :—	
For Amounts charged direct to the Services, as per detailed List, viz. :—				For Value of Materials returned into Store	62
Salaries, &c.	696				
Wages to Artificers, &c.	399				
Wages, Police Force	135				
Estimated Current Charge for Deferred Annuities, on account of Pensions to Dockyard Officers	48				
		1,278		By BALANCE ACCOUNT (p. 114) :—	
				For Net Charge for the Year, being proportion of Incidental and Establishment Charges not considered applicable to Ships	1,997
			81		
			£.		£.
			1,359		1,359

To CAPITAL ACCOUNT (p. 94) :—

For Value of Gross Issue of Stores, as per Detailed Account

DEPTFORD STOREYARD.—No. 6—continued.

DETAILED ACCOUNT of HARBOUR and DOCKYARD NATIONAL CHARGES.

DETAILED HEAD OF CHARGE.	DEBITS.				CREDITS.	Net Amount Chargeable.
	Payments for Salaries, Rents, Contingen- cies, and other Charges.	Wages.	Materials Issued.	TOTAL.	Materials Returned.	
	£.	£.	£.	£.	£.	£.
Harbour and Dockyard Gear: viz., cables, pendants, chains, swivels, bridles, and buoys	-	-	4	4	-	4
Fire-engines, buckets, hoses, and other gear connected there- with: share of	-	-	5	5	-	5
Dockyard chapel, chemical lecture room and laboratory, school for apprentices, police station and military guard room (labour and petty stores)	-	-	9	9	-	9
Wages of all single stationed men and boats' crews, to include Draughtsmen (except those in the mould loft), Writers (except Writers at Ropery and manufacturing Writers at other shops whose pay is charged thereto), Acting Officers on day pay, Signalmen, Messengers, Postmen, Labourers, and Boys employed on general duties, not chargeable to any other detailed head of service; also petty stores used in connection with services on which these men are employed, but not including any expenses which could be charged to any specific ship or service: share of	-	330	-	330	-	330
Holidays	-	69	-	69	-	69
Other Miscellaneous Charges	-	-	63	63	62	1
Salaries of Officers, Clerks, &c.: share of	696	-	-	696	-	696
Addition of 7 per cent. to the foregoing salaries, on account of the prospect of pensions on retirement to those Dock- yard officers who are entitled to the same	48	-	-	48	-	48
Wages, police force: share of	135	-	-	135	-	135
TOTAL Harbour and Dockyard National Charges - £.	879	399	81	1,359	62	1,297

No. 7.

DEPRECIATION AND APPRECIATION ACCOUNT.

Cr.

Dr

[illegible]

DEPTFORD STOREYARD.

No. 8.

OTHER THAN DOCKYARD SERVICES—

Dr. Supplies to, or Work for, other Branches of the Naval Service, other Departments of Government, Foreign Governments, Private Individuals, &c. Cr.

To INCOME ACCOUNT (p. 93) :—	£.	8	By INCOME ACCOUNT (p. 92) :—	£.
For Expenditure during the Year for Wages to Artificers, &c.	-	-	For Value of Materials returned into Store	1,038
To CAPITAL ACCOUNT (p. 94) :—	£.	4,841	By BALANCE ACCOUNT (p. 114) :—	£.
For Value of Gross Issues of Stores	-	-	For Net Charges to Services for the Financial Year 1874-75, not pertaining to Dockyards	4,008
To DOCKYARD CHARGES INCIDENTAL to SHIP BUILDING, EQUIPPING, &c. (p. 103) :—	£.	197		5,046
For Proportion of Incidental and Establishment Charges on Materials issued to and returned from, and on Labour employed on account of other Branches of the Naval Service, other Departments of Government, Private Individuals, &c.	-	-		

DEPTFORD STOREYARD.—No. 8—continued.

DETAILED ACCOUNT of other than DOCKYARD SERVICES—SUPPLIES to, or WORK for, other Branches of the NAVAL SERVICE, other Departments of Government, Foreign Governments, Private Individuals, &c.

DESCRIPTION OF SERVICE	DEBITS.				CREDITS.	Net Charge to Services not pertaining to Dockyards.
	Wages.	Materials Issued.	Percentage and other Charges on Supplies, for use of Plant, &c., and other Charges.	TOTAL.	Materials Returned.	
	£.	£.	£.	£.	£.	£.
Furniture for the Residence of the Superintendent or other Officer of the Dockyard and other Naval Establishments upon which Percentage is paid -	-	1,067	-	1,067	151	916
New Machinery, &c., for Workshops and the general use of the Yard (Vote No. 11)—Dockyard or Factory Labour and Materials, when not chargeable to Contractors -	-	208	-	208	-	208
Value of Stores supplied to, and Labour employed on account of, "Other Branches of the Naval Service," not chargeable to the Votes for Dockyard Services -	4	2,126	-	2,130	271	1,859
Value of Stores supplied to, and Labour employed on account of, "Other Departments of Government" -	-	464	-	464	38	426
Value of Stores supplied to, and Labour employed on account of, Private Individuals and Contractors for Vessels and New Works -	4	976	-	980	578	402
Proportion of Incidental and Establishment Charges on Materials issued to, and returned from, and on Labour employed on account of, "Other Branches of the Naval Service," "Other Departments of Government," "Private Individuals," &c. -	-	-	197	197	-	197
£.	8	4,841	197	5,046	1,038	4,008

	Labour.	Materials.		TOTAL Labour and Materials (Issued and Returned).
		Issued.	Returned.	
	£.	£.	£.	£.
Total Amounts charged direct to Other than Dockyard Services -	8	4,841	1,038	5,887
Abate.—The Cost of Repairs, Replacements, and Maintenance of Docks, Slips, &c., and of Yard Machinery, &c. (Issues and Returns, excluding Labour) -	-	76	-	76
TOTAL Amounts upon which Incidental and Establishment Charges are distributed (see p. 105) -	8	4,765	1,038	5,811

DEPTFORD STOREYARD.

No. 9.

CONVERSIONS.

Dr.

Cr.

To INCOME ACCOUNT (p. 93):—

For Expenditure during the Year, viz.:—

Wages to Artificers, &c.

£.

1,261

To CAPITAL ACCOUNT (p. 94):—

For Value of Gross Issues of Stores

£.

9,267

To DOCKYARD CHARGES INCIDENTAL to SHIP BUILDING,
EQUIPPING, &c. (p. 103):—For Excess of Value at which Manufactured Produce has been returned to
Stock for subsequent Issue, over the Cost thereof.

£.

18

By INCOME ACCOUNT (p. 92):—

For Value of Returns of Manufactured Produce

£.

9,982

For Value of Unconsumed Material and Work in hand at
the end of the Year

£.

353

10,335

By DOCKYARD CHARGES INCIDENTAL to SHIP BUILDING,
EQUIPPING, &c. (p. 102):—For Excess of Cost of Manufactured Produce over the Value at which
it has been charged to Stock for subsequent Issue

£.

211

£.

10,546

£.

10,546

DEPTFORD STOREYARD.—No. 9—continued.

DETAILED ACCOUNT of CONVERSIONS.

NAME OF CONVERSION ACCOUNT.	DEBITS.			CREDITS.		
	Wages.	Materials Issued.	Excess of Value at which Produce is Returned over the Actual Cost.	Value of Manufac- tured Produce.	Value of other Returns.	Excess of Actual Cost over Value at which Produce is Returned.
	£.	£.	£.	£.	£.	£.
Sail Loft - - - - -	1,049	7,022	-	7,681	280	110
Colour Loft - - - - -	40	164	18	170	52	—
Joiners' Shop - - - - -	76	170	-	210	8	28
Hosemakers' Shop - - - - -	96	1,911	-	1,921	13	73
£.	1,261	9,267	18	9,982	353	211
Dr. - - £. 10,546.				Cr. - - £. 10,546.		

Note.—For Details of Manufactures at each Shop, see Manufacturing Accounts for 1874-75 (Parliamentary Paper, No. 182, Session 1876).

DEPTFORD STOREYARD.

No. 10.

Dr.

OTHER YARDS.

Cr.

To CAPITAL ACCOUNT (p. 94):—		£.	£.	By INCOME ACCOUNT (p. 92):—		£.	£.
For Value of Gross Issues of Stores, per Bills of Lading, to be accounted for at the following Yards, viz.:—				For Value of Stores received, per Bills of Lading, from—			
Chatham	-	7,557		Chatham	-	37,790	
Sheerness	-	6,616		Sheerness	-	8,788	
Portsmouth	-	5,665		Portsmouth	-	5,344	
Devonport	-	5,136		Devonport	-	3,252	
Pembroke	-	193		Pembroke	-	167	
Foreign Yards	-	84,260		Foreign Yards	-	5,808	
Ditto, &c., from which no Expense Accounts are rendered	-	4,540		Ditto, &c., from which no Expense Accounts are rendered	-	14	
			113,967				61,163
To DOCKYARD CHARGES INCIDENTAL to SHIP BUILDING, EQUIPPING, &c. (p. 103):—				By DOCKYARD CHARGES INCIDENTAL to SHIP BUILDING, EQUIPPING, &c. (p. 102):—			
For Cost of Shipment of Stores to the following Yards, to be there accounted for, viz.:—				For Proportion of the Cost of Shipment at the following Yards, of Stores received at Deptford Yard, viz.:—			
Chatham	-	268		Chatham	-	396	
Sheerness	-	235		Sheerness	-	85	
Portsmouth	-	201		Portsmouth	-	216	
Devonport	-	182		Devonport	-	72	
Pembroke	-	7		Foreign Yards	-	50	
Foreign Yards	-	2,991					819
Ditto, from which no Expense Accounts are rendered	-	161					
			4,045				61,982
For Proportion of Incidental and Establishment Charges on Materials Issued to and Received from other Yards at Home and Abroad			5,956	By BALANCE ACCOUNT (p. 114):—			
				For Net Charge			61,986
			123,968				123,968

	Materials.		Total Issued and Returned.
	Issued.	Returned.	
	£.	£.	£.
Value of Materials issued to and received from other Yards (Home)	25,167	55,341	80,508
Ditto - - - ditto - - - ditto - - - (Abroad)	64,260	5,808	90,068
Ditto - - - ditto - - - ditto - - - (Abroad), from which no Expense Accounts are rendered	4,540	14	4,554
TOTAL Amounts upon which Incidental and Establishment Charges are distributed (p. 106)	113,967	61,163	175,130

No. 11.

BALANCE ACCOUNT.

Cr.

Dr.	£.	£.	£.	£.
To INCOME ACCOUNT (p. 93):—				
For adjusting Entries on account of Value of Stores taken on charge by Storekeeper prior to this Financial Year, but paid for in this Year	2,180			
For Payments to the Exchequer of Proceeds of Sale of Old Stores	691			
		2,871		
To CAPITAL ACCOUNT (p. 94):—				
For Balance carried to next Year's Account, viz.:—				
Value of Land	—			
Value of Buildings	—			
Value of Machinery	676			
Value of Stock	684			
			10,736	
For Value of Coals issued to Ships for Steaming purposes	23			
For Value of Materials issued to Contractors for re-manufacture	5,192			
				1,428
				100,433
To SHIPS (p. 95):				
For Net Expenditure charged to Ships in the Year	824			
To HARBOUR and DOCKYARD NATIONAL CHARGES (p. 106):—				
For Net Expenditure in the Year	1,297			
To DEPRECIATION and APPRECIATION ACCOUNT (p. 108):—				
For Net Charge	3,070			
To OTHER THAN DOCKYARD SERVICES (p. 109):—				
For Net Charge to Services not pertaining to Dockyards	4,008			
To OTHER YARDS (p. 113):—				
For Net Charge	61,986			
				152,001
				252,434

CHATHAM DOCKYARD.

I N D E X.

	PAGE.
Statement connecting Navy Estimates and Expense Accounts - - -	116
General Balance Sheet - - - - - No. 1 - -	118
Income Account - - - - - No. 2 - -	120
Capital Account - - - - - No. 3 - -	124
Ships' Account - - - - - No. 4 - -	125
Account of Dockyard Charges incidental to Ship Building, Equipping, &c. - - - - - No. 5 - -	158
Harbour and Dockyard National Charges Account - - No. 6 - -	162
Depreciation and Appreciation Account - - - No. 7 - -	164
Account of other than Dockyard Services - - - No. 8 - -	165
Conversions' Account - - - - - No. 9 - -	167
Account of Supplies to, and Receipts from, other Yards - No. 10 - -	169
Balance Account - - - - - No. 11 - -	170
Addendum to Ship Account - - - - - - - -	171

CHATHAM DOCKYARD.

STATEMENT showing the Total Amounts granted and the Total Amounts expended for the NAVY under each Vote as they appear in the published RETABULATION of the STATEMENT of the SURPLUSES and DEFICITS on the NAVY GRANTS, No. 183, of Session 1876; also, Portion of Division 1 appertaining to CHATHAM YARD (pp. 592 to 597 of Report).

Number of Vote.	TITLE OF VOTE.	Division 1. NAVAL YARDS.		Number of Vote.	Portion of Division 1 appertaining to CHATHAM.	
		Expenditure.	Grant.		Expenditure.	Grant.
		Page in Retabulation of Navy Statement of the Surpluses and Deficits.	£.		Page in Retabulation of Navy Statement of the Surpluses and Deficits.	£.
6	DOCKYARDS AND NAVAL YARDS AT HOME AND ABROAD - - - - - }	14	1,253,610	6	14	234,140
10	NAVAL STORES FOR THE BUILDING, REPAIR, AND OUTFIT OF THE FLEET AND COAST GUARD, STEAM MACHINERY, AND SHIPS BUILT BY CONTRACT:					
	SECT. I.—NAVAL STORES - - - - - }	14	1,378,383	10, Sect. I.	14	320,856
	SECT. II.—STEAM MACHINERY AND SHIPS BUILT BY CONTRACT - - - - - }	14	823,657	10, Sect. II.	14	107,592
11	NEW WORKS, BUILDINGS, MACHINERY, AND REPAIRS - - - - - }	14	502,671	11	14	107,686
	TOTAL VOTES, 6, 10, and 11 - - -	14	3,958,321	- -	14	770,274
16	SECT. II.—CIVIL PENSIONS AND ALLOWANCES -	14	167,125	16, Sect. II.	-	** 7,920
	TOTAL Division 1, NAVAL YARDS - - £.		4,125,446			
TOTAL Portion of Division 1, appertaining to CHATHAM - - - £.					778,194	733,443

** To meet the Estimated Current Charge for Deferred Annuities, equal to 7 per cent. on the Salaries to Dockyard Officers, and on the Total Wages paid in the year to Established Workmen, on account of the prospect of Pensions on their Retirement; see Paper from the Actuary of the National Debt, page viii* of Parliamentary Paper, No. 454, of Session 1867.
In the Retabulation of the Statement of the Surpluses and Deficits, the whole amount against Vote 16, Sect. II., chargeable to Division 1, "Naval Yards," is shown under Column "Other than Yards." In this Account, however, the amount for Chatham has been calculated in accordance with the principle laid down by the Actuary of the National Debt (see Note above).

† The amounts inserted in the "Grant" columns for the several Yards are the same as the calculated Expenditure.
Supplementary Estimates are included in the amounts appearing in the "Grant" column.

H. WALKER,
Accountant General of the Navy,
and Comptroller of Navy Pay.

No. 1.
EXPENSE ACCOUNTS.

CHATHAM DOCKYARD.

ANNUAL BALANCE SHEET of SHIP BUILDING and other DOCKYARD
TRANSACTIONS in Financial Year 1874-75.

No. EXPENSE

CHATHAM

ANNUAL BALANCE SHEET of SHIP BUILDING and

Dr.

 For Details, *see separate*

	Page.	£.
To Amounts paid, as per Statement of Surpluses and Deficits, under the following Votes, and shown in the Income Account, viz.:—		
VOTE No. 6:		
Salaries, &c. - - - - -	120	18,961
Rents, Rates, Taxes, and Water - - - - -	120	194
Lighting with Gas - - - - -	120	1,000
Contingencies - - - - -	120	764
Wages to Artificers, &c. - - - - -	120	201,179
Wages, Yard Service Afloat - - - - -	120	3,005
Hire of Teams - - - - -	120	1,438
Wages, Police Force - - - - -	120	7,541
Extra Pay to Artificers of the Fleet - - - - -	120	58
TOTAL VOTE No. 6 - - - - -	120	234,140
VOTE No. 10, Section I.:		
Naval Stores, &c. - - - - -	120	320,856
VOTE No. 10, Section II.:		
Steam Machinery, Experiments, &c. - - - - -	120	107,592
VOTE No. 11:		
New Works, &c.—Buildings, Docks, &c.:		
Additions - - - - -	120	75,060
Repairs, Replacements, &c. - - - - -	120	7,984
Other New Works, &c., the Details of which are shown in the Income Account - - - - -	120	5,278
New Works, &c.—Machinery:		
Additions - - - - -	120	9,306
Repairs, Replacement, &c. - - - - -	120	10,058
TOTAL Votes, Nos. 6, 10, and 11 (actual Money paid) - - - - -	120	770,274
* VOTE No. 16. Estimated Amounts as charged to Ships and Services - - - - -	120	7,920
TOTAL VOTES, Nos. 6, 10, 11, and Estimated Amount of } £. Vote 16, being Total Debit from Parliamentary Votes }	-	778,194
To Receipts from other Yards, including Cost of Shipment - - - - -	169	95,546
To adjusting Entry, principally consisting of the Value of Stores paid for by other Departments, &c., and consequently not appearing as a final Financial Charge to Vote 10, Sect. I. - - - - -	120	13,103
To Amounts for Services other than those pertaining to Dockyards - - - - -	122	7,350
To adjusting Entry on account of the Value of Materials taken on charge by the Storekeeper, and debited to Stock, up to the last day of the Financial Year, but not paid for in the Year - - - - -	122	1,324
To Value of Land on 21st March 1874 - - - - -	676	253,330
To Value of Buildings on 21st March 1874 - - - - -	676	2,146,865
To Value of Machinery on 21st March 1874 - - - - -	676	245,545
To Value of Stock on 21st March 1874 - - - - -	684	579,029
TOTAL - - - - -	£.	4,120,286

* To meet the Estimated Current Charge for Deferred Annuities, equal to seven per cent. on the Salaries to Dockyard Officers and on the Total Wages paid in the Year to Established Workmen on account of the prospect of Pensions on their Retirement; *see* Paper from the Actuary of the National Debt, page viii* of Parliamentary Paper, No. 454, of Session 1867.

1.

A C C O U N T S.

DOCKYARD.

other DOCKYARD TRANSACTIONS in Financial Year 1874-75.

Accounts (Nos. 2 to 11).

Cr.

	Page.	£.
By Expenditure under the following Heads, as per Detailed Ship Account, viz.:—		
Ships Building and Completing for Sea Service - - - -	156	455,923
Maintaining Ships in Commission - - - - -	156	7,138
Maintaining, Repairing, &c. Ships in the Reserves - - -	157	68,178
* Hulks, Repairing, &c. - - - - -	157	3,529
Steam Tugs, Yard Craft, Coal Depôts, &c., Building, Fitting, Refitting, &c. - - - - -	157	8,985
* Ships and Vessels Breaking up - - - - -	157	20,615
	157	516,080
By Coals, and Wages for Coaling Steam Ships - - - -	170	1,601
By Value of Materials issued to Contractors for Re-manufacture -	124	856
By Net Expenditure for Harbour and Dockyard National Services -	162	27,874
By Net Charge to Depreciation Account - - - - -	164	36,722
By Net Expenditure for Services other than those pertaining to Dockyards - - - - -	165	33,860
By Payments to Exchequer of Proceeds of Sale of Old Stores, &c. -	123	7,285
By Issues to other Yards, including Cost of Shipment - - -	169	128,388
By adjusting Entry for Stores paid for in the Year, but taken on charge and included in the Value of Stock in the preceding Year -	123	1,171
By Value of Land on 20th March 1875 - - - - -	676	253,330
By Value of Buildings on 20th March 1875 - - - - -	676	2,199,705
By Value of Machinery on 20th March 1875 - - - - -	676	254,851
By Value of Stock on 20th March 1875 - - - - -	684	658,563
TOTAL - - - £.		4,120,286

* The Figures in *Italics* show the Amount of Net Credits for Stores, &c., returned.

H. WALKER,
Accountant General of the Navy, and
Comptroller of Navy Pay.

CHATHAM

No.

INCOME

Dr.

To BALANCE ACCOUNT (p. 170):

For Amounts which have come in course of Payment, in the Financial Year, under the following Votes of the Naval Estimates appertaining to Chatham Dockyard, as per Statement of the Surpluses and Deficits, viz.:—

VOTE No. 6:

	£.
Salaries, &c.	18,961
Rents, Rates, Taxes, and Water	194
Lighting with Gas	1,000
Contingencies	764
Wages to Artificers, &c.	201,179
Wages, Yard Service Afloat	3,005
Hire of Teams	1,438
Wages of Police Force	7,541
Extra Pay to Artificers of the Fleet	58
	234,140

VOTE No. 10, Section I.:

Timber, Masts, Deals, &c.	53,612
Metals and Metal Articles, &c.	163,885
Coals and other Fuel	23,923
Hemp, Canvas, &c.	47,416
Paint Materials, Oil, Pitch, &c.	31,647
Freight and sundry Expenses connected with Naval Stores	373
	320,856

VOTE No. 10, Section II.:

Payments for Marine Engines, &c., delivered at Chatham Yard, not included in the Stock Valuation Account, being charged in the Books at the Admiralty to the Ship for which the Machinery was purchased	100,273
Payments on account of Experiments at Chatham (for Details, see p. 694)	2,144
Payments on account of Breaking up Ships	5,175
	107,592

VOTE No. 11:

New Works, &c.—Land, Buildings, Docks, &c., viz.:—

Additions	75,060
Repairs, Replacements, &c.	7,984

Dredging, in connection with Dockyard	£. 300
Contingencies (Works and Repairs)	408
Ditto (Machinery)	2,056
Temporary Superintendence, &c. of Engineering and Architectural Works and Repairs	2,514
	5,278

New Works—Machinery:

Additions	9,306
Repairs, Replacements, &c.	10,058
	107,686

107,686

770,274

To BALANCE ACCOUNT (p. 170):

VOTE No. 16.—For Estimated Current Charge for Deferred Annuities, equal to 7 per cent. on the Salaries to Dockyard Officers, and on the Total Wages paid in the Year to Established Workmen, on account of the prospect of Pensions on their Retirement; see Paper from the Actuary of the National Debt, page viii* of Parliamentary Paper, No. 454, of Session 1867—
To adjusting Entry, principally consisting of the Value of Stores paid for by other Departments, &c., and consequently not appearing as a final Financial Charge to Vote 10, Sect. I. —

7,920

13,103

Carried forward - - - £.

791,297

DOCKYARD.

2.

ACCOUNT.

Cr.

	£.	£.
By SHIPS (p. 125):		
For Amount charged direct, viz.:—		
Wages to Artificers, &c., including Wages, Yard Service Afloat, Hire of Teams, and Extra Pay to Artificers of the Fleet - - - - -	129,637	
Payments for Marine Engines, &c. delivered at Chatham Yard, not included in the Stock Valuation Account, being charged in the Books at the Admiralty to the Ship for which the Machinery was purchased - -	100,273	
Payments for Breaking up Ships - - - - -	5,175	235,085
By CAPITAL ACCOUNT (p. 124):		
For Value of Stores taken on Charge during the Year as received from Contractors	333,739	
For - ditto - as returned from Ships - - - - -	68,971	
For - ditto - Coals for steaming purposes, as returned from Ships - -	121	
For - ditto - as returned from Services incidental to Ship Building, Equipping, &c. - - - - -	3,706	
For - ditto - as returned from Harbour and Dockyard National Services -	2,322	
For - ditto - as returned from Depreciation and Appreciation of Stock, including difference consequent upon Annual Valuation - -	56,064	
For - ditto - taken on Charge during the Year, as received from other than Dockyard Services - - - - -	5,219	
For - ditto - from Conversions - - - - -	410,550	
For - ditto - from other Yards - - - - -	93,714	974,406
For Additions to Buildings, Docks, &c. - - - - -	75,063	
For Additions to Machinery - - - - -	9,306	84,366
By DOCKYARD CHARGES INCIDENTAL TO SHIP BUILDING, EQUIPPING, &c. (p. 158):		
For Amount charged on account of the undermentioned Services, viz.:—		
Salaries, &c. - - - - -	10,374	
Rents, Rates, Taxes, and Water - - - - -	194	
Lighting with Gas - - - - -	1,000	
Contingencies - - - - -	764	
Wages to Artificers, &c., including Wages, Yard Service Afloat, and Hire of Teams - - - - -	38,913	
Wages, Police Force - - - - -	3,770	
Freight and Sundry Expenses connected with Naval Stores - - - - -	373	
Estimated Current Charge for Deferred Annuities on account of Pensions to Dockyard Officers and Established Workmen - - - - -	7,319	
Repairs, Replacements, &c. of Buildings, Docks, &c. - - - - -	7,984	
Dredging in connection with Dockyard - - - - -	300	
Contingencies (Works and Repairs) - - - - -	408	
Ditto - (Machinery) - - - - -	2,056	
Repairs, Replacements, &c. of Machinery - - - - -	10,058	83,513
Carried forward - - - £.		1,377,370

Dr.

CHATHAM DOCKYARD.

		£.
Brought forward - - -		791,297
To BALANCE ACCOUNT (p. 170):		
For Amount paid by Cashiers of Her Majesty's Dockyards to Artificers, &c. hired for performance of Work other than that relating to Dockyard Services, and charged direct to those Services in the Admiralty Ledger, and not appearing as a Charge to Vote No. 6 in the Statement of the Surpluses and Deficits, viz.:—		
	£.	
Other Naval Votes not relating to Dockyard Services - - - -	6,572	
Other Departments of Government - - - -	185	
Foreign Governments - - - -	41	
Private Individuals - - - -	552	
		7,350
To BALANCE ACCOUNT (p. 170):		
For adjusting entry on account of the Value of Materials taken on charge by the Storekeeper, and debited to Stock, up to the last day of the Financial Year, but not paid for in the Year - -		1,324
To SHIPS (p. 125):		
For Value of Materials returned into Store - - - -		68,971
To CAPITAL ACCOUNT (p. 124):		
For Value of Coals for Steaming Purposes, as returned from Ships - - - -		121
To DOCKYARD CHARGES INCIDENTAL TO SHIP BUILDING, EQUIPPING, &c. (p. 159):		
For Value of Materials returned into Store - - - -		3,706
To HARBOUR AND DOCKYARD NATIONAL CHARGES (p. 162):		
For Value of Materials returned into Store - - - -		2,322
To DEPRECIATION AND APPRECIATION ACCOUNT (p. 164):		
For Value of Stores returned to Stock after Survey:	£.	£.
Timber - - - -	1,688	
Stores - - - -	4,362	
For Increase in the Value of Stock on Annual Re-valuation:		
Timber - - - -	—	
Stores - - - -	37,567	
For Approximate Value of Stock found Surplus on Continuous Survey:		
Timber - - - -	10,924	
Stores - - - -	1,508	
For Value of Lost Articles recovered by the Police, &c. - - - -	15	
For Proceeds of Sale (Cash not shown in Stock Valuation Account):		56,064
Timber - - - -	4,534	
Stores - - - -	2,751	
		7,285
		63,349
To OTHER THAN DOCKYARD SERVICES (p. 165):		
For Value of Materials returned into Store - - - -		5,219
To CONVERSIONS (p. 167):		
	£.	
For Value of Manufactured Produce returned into Store - - - -	349,394	
For Value of unconsumed Material and Work in hand at the end of the Year - -	61,156	
		410,550
To OTHER YARDS (p. 169):		
For Value of Stores received from other Yards - - - -		93,714
	£.	1,447,923

No. 2.—INCOME ACCOUNT—*continued.*

Cr.

			£.
	Brought forward - - -		1,377,370
By HARBOUR AND DOCKYARD NATIONAL CHARGES (p. 162):			
For Amount charged on account of the undermentioned Services, viz. :—	£.		
Salaries, &c. - - - - -	8,587		
Wages to Artificers, &c., including Wages, Yard Service Afloat, and the Hire of Teams - - - - -	11,357		
Wages, Police Force - - - - -	3,771		
Experimental Purposes (for Details, <i>see</i> p. 694) - - - - -	2,144		
Temporary Superintendence, &c. of Engineering and Architectural Works and Repairs - - - - -	2,514		
Estimated Current Charge for Deferred Annuities on account of Pensions to Dockyard Officers - - - - -	601		
			28,974
By OTHER THAN DOCKYARD SERVICES (p. 165):			
For Expenditure during the Year, viz. :—			
Wages to Artificers, &c., not chargeable to Vote 6 - - - - -			7,550
By CONVERSIONS (p. 167):			
For Expenditure during the Year, viz. :—			
Wages to Artificers, &c., including Hire of Teams - - - - -			25,744
By BALANCE ACCOUNT (p. 170):			
For adjusting entry on account of the Value of Material taken on charge by Store-keeper prior to this Financial Year, but paid for in this Year - - - - -	£.		
	1,171		
For Wages, &c., paid for issuing Coals to Ships for Steaming Purposes - - -	29		
For Payments to Exchequer of Proceeds of Sale of Old Stores, &c. - - -	7,285		
			8,485
	£.		1,447,923

CHATHAM DOCKYARD.

No. 3.

CAPITAL ACCOUNT.

Dr.

227.

Dr.		CAPITAL ACCOUNT.		Cr.	
Page of Detailed Statement.	£.	£.	£.	Page of Detailed Statement.	£.
TO BALANCE ACCOUNT (p. 170) :—					
For Balance from last Year's Account, viz. :—					
Value of Land	253,330		By SHIPS (p. 125) :—		254,101
Ditto Buildings	2,140,865		For Value of the Gross Issues of Stores		
Ditto Machinery	245,545		By DOCKYARD CHARGES INCIDENTAL TO SHIP BUILDING, EQUIPPING, &c. (p. 159) :—		34,780
Ditto Stock	579,029		For Value of the Gross Issues of Stores		
			By HARBOUR and DOCKYARD NATIONAL CHARGES (p. 162) :—		1,223
			For Value of Gross Issues of Stores		
			By DEPRECIATION and APPRECIATION ACCOUNT (p. 164) :—		
			For Value of Stores drawn from Stock on Survey :		
			Timber	£.	4,396
			Stores		14,416
			For Decrease in the Value of Stock on Annual Re-valuation :		
			Timber		40,020
			Stores		
			For Approximate Value of Stock found Deficient on Continuous Survey :		
			Timber		10,234
			Stores		776
			For Value of Stores drawn from Stock on Sale :		
			Timber		5,543
			Stores		2,563
			For Deterioration in the Value of Plant (Buildings)		22,220
					100,071
TO INCOME ACCOUNT (p. 121) :—					
For Value of Stores taken on charge during the Year, as received from Contractors	333,739		By OTHER THAN DOCKYARD SERVICES (p. 165) :—		23,053
For ditto from Ships	68,971		For Value of the Gross Issues of Stores		
For ditto of Coals for Steaming purposes, as returned from Ships	121		By CONVERSIONS (p. 167) :—		374,260
For ditto from Services incidental to Ship Building, Equipping, &c.	3,706		For Value of the Gross Issues of Stores		
For ditto from Harbour and Dockyard National Services	2,322		By OTHER YARDS (p. 169) :—		127,056
For ditto from Depreciation and Appreciation of Stock including difference consequent upon the Annual Valuation of Stock	56,064		For Value of the Gross Issues of Stores		
For Value of Stores taken on charge during the Year, as received from other than Dockyard Services	5,219		By BALANCE ACCOUNT (p. 170) :—		
For ditto from Conversions	410,550		For Value of Coals issued to Ships for Steaming Purposes	£.	1,633
For ditto from other Yards	93,714		" Value of Materials issued to Contractors for Re-manufacture		856
For Additions to Buildings, Docks, &c.	75,060				
For - ditto - Machinery	9,306		For Balance to next Year's Account, viz. :—		
			Value of Land		253,330
			Ditto Buildings		2,139,705
			Ditto Machinery		254,851
			Ditto Stock		658,563
					3,366,449
					4,283,541

CHATHAM DOCKYARD.

AND OTHER DOCKYARD TRANSACTIONS IN FINANCIAL YEAR 1874-75.

125

No. 4.

SHIPS.

Dr.

Cr.

To INCOME ACCOUNT (p. 121):—

For Amounts charged direct to Ships, as per Detailed Ship Account, viz.:—

Wages to Artificers, &c., including Wages, Yard Service Afloat, Hire of Teams, and Extra Pay to Artificers of the Fleet - - - - -

Payments for Marine Engines, &c., delivered at Chatham Yard, not included in the Stock Valuation Account, being charged in the Books of the Admiralty to the Ship for which the Machinery was purchased - - - - -

Payments for Breaking up Ships - - - - -

To CAPITAL ACCOUNT (p. 124):—

For Value of Gross Issues of Stores - - - - -

To DOCKYARD CHARGES INCIDENTAL TO SHIP BUILDING, EQUIPPING, &c. (p. 159 and 161):—

For Amount of General Expenditure charged *pro rata* to the Sub-Heads of Ships Building, Repairing, &c., as follows:—

	Direct Charges.	Amount of Indirect Charges.	Rate per Cent.
On Labour - - - - -	£. 129,637	£. 80,178	£. 66.47
On Materials issued - - - - -	- - - - -	- - - - -	- - - - -
On " returned - - - - -	323,072	9,396	2.90
On Tonnage - - - - -	- - - - -	291	- - - - -
	£. -	£. - 95,865	

£. 95,865

£. 585,051

By INCOME ACCOUNT (p. 122):—

For Value of Materials returned into Store - - - - -

By BALANCE ACCOUNT (p. 170):—

For Net Expenditure during the Year - - - - -

£.

585,051

[illegible]

CHATHAM DOCKYARD.—No. 4.—DETAILED SHIP ACCOUNT—continued.

No. 1.—SHIPS BUILDING AND COMPLETING FOR SEA SERVICE—continued.

NAME OF SHIP.		Number of Guns.	Horse Power.	Tonnage.	PERIODS within which the Expense was incurred.		Detailed Head of Charge.	Value of Materials Issued.	Wages.	Payments to Con- tractors, &c. Made and Allowed at Admiralty.	Gross Total, excluding Incidental and Estab- lishment Charges.	Value of Materials Returned.	Net Total, excluding Incidental and Estab- lishment Charges.	Incidental and Estab- lishment Charges.	Total Expense, inclusive of Incidental and Estab- lishment Charges.	REMARKS.	
					From	To											
NOT IRON CLAD—continued.																	
DIAMOND	-	14	350 (2,455)	1,405 (1,590)	23 Mar. 1874	23 Jan. 1875	{ Masts and Yards - Boilers and Engineers' Fittings.	£. — —	£. 65 56	£. — —	£. 65 56	£. — —	£. 65 56	-	-	-	Inspecting manufacture of iron masts and boilers.
EMERALD	-	14	- (2,400)	- (1,864)	20 July "	20 Mar. "	Hull - - -	—	23	—	23	—	23	-	-	-	Inspecting the manufacture of iron plates.
EURYALUS	-	16	- (5,250)	- (3,932)	23 Mar. "	20 Mar. "	{ Hull - - - Masts and Yards -	13,772 336	7,909 75	— —	21,681 411	768 42	20,913 369	-	-	-	Building from 126 to 380 tons weight of hull.
					16 Oct. "	27 Mar. "	Total - - - £.	14,108	7,984	—	22,092	810	21,282	-	-	On account of the ma- chinery.	
FLYING FISH	-	4	120 (836)	727 (894)	23 Mar. "	1 Aug. 1874	{ Hull - - - Masts and Yards - Rigging and Stores -	799 144 2,692	403 139 176	— — —	1,902 283 2,868	611 52 29	591 231 2,839	-	-	-	Completed building and fitting for sea service.
					Total - - - £.	3,635	718	—	4,353	692	3,661	-	-	Balance on the machinery.			
					Engines and Engineers' Fittings.	5	9	—	14	—	14	-	-	Winch for masts not pre- viously charged to the vessel.			
					Boilers and Engineers' Fittings.	6	5	—	11	—	11	-	-	Building to 24 tons weight of hull.			
FROLIC	-	4	100 (896)	462 (592)	On the 24th October 1874	On the 15th April 1874	Engines and Engineers' Fittings.	—	—	200	200	—	200	-	-	-	On account of the ma- chinery.
GARNET	-	14	- (2,400)	- (1,864)	27 April 1874	20 Mar. 1875	Hull - - -	1,516	794	—	2,310	163	2,144	-	-	-	Winch for masts not pre- viously charged to the vessel.
					On the 29th March 1875	On the 29th March 1875	Engines and Engineers' Fittings.	—	—	6,000	6,000	—	6,000	—	—	On account of the ma- chinery.	

CHATHAM DOCKYARD.—No. 4.—DETAILED SHIP ACCOUNT—continued.

No. 1.—SHIPS BUILDING AND COMPLETING FOR SEA SERVICE—continued.

NAME OF SHIP.	Number of Guns.	Horse Power.	Tonnage.	PERIODS within which the Expense was incurred.		Detailed Head of Charge.	Value of Materials Issued.	Wages.	Payments to Con- tractors, &c. Made and Allowed at Admiralty.	Gross Total, excluding Incidental and Estab- lishment Charges.	Value of Materials Returned.	Net Total, excluding Incidental and Estab- lishment Charges.	Incidental and Estab- lishment Charges.	Total Expense, inclusive of Incidental and Estab- lishment Charges.	REMARKS.
				From	To										
NOT IRON CLAD—continued.															
RUBY - - -	14	(2,100)	(1,864)	-	On the 8th March 1875 -	Hull - - -	£. 1	—	£. —	1	—	£. 1	—	£. —	Pattern supplied for guidance of overseer.
SAPPHIRE - - -	14	350 (2,100)	1,405 (1,590)	23 Mar. 1874	4 April 1874	Boilers and Engineers' Fittings.	—	4	—	4	—	4	—	—	Inspecting the manufacture of boilers. This vessel was built at Devonport.
				25 May "	18 July "	Boilers' and Engineers' Fittings.	—	9	—	9	—	9	—	—	
SAPPHO - - -	4	120 (736)	727 (894)	23 Mar. "	19 Dec. "	Hull - - -	1,032	1,023	—	2,055	118	1,937	—	—	Completed fitting for sea after delivery by the Contractors. * New banjo frame.
						Masts and Yards - -	93	140	—	233	19	214	—	—	
						Rigging and Stores -	1,643	235	—	1,878	238	1,640	—	—	
						Total - - - £.	2,768	1,398	—	4,166	375	3,791	—	—	
SHELDRAKE - - -	4	(360)	(420)	20 Feb. 1875	11 Mar. 1875	Engines and Engineers' Fittings.	16	26	*47	89	—	89	—	—	Supply of stores not chargeable to Contractors building the vessel.
						Boilers and Engineers' Fittings.	—	8	—	8	—	8	—	—	
						Engineers' Stores - -	63	—	—	63	—	63	—	—	
						Total - - - £.	79	34	47	160	—	160	—	—	
SWIFE (Coast Guard Cruiser.)	—	—	20	25 Nov. 1874	4 Dec. 1874	Hull - - -	46	—	—	46	—	46	—	—	- ditto - ditto.
						Rigging and Stores -	33	—	—	33	—	33	—	—	
						Total - - - £.	69	—	—	69	—	69	—	—	

STEAM CUTTER, No. 23.	24	4	23 Mar. "	11 April "	Hull - - -	1	4	-	5	-	5	Fitting rocket tubes and trial of machinery.
					Engines and Engineers' Fittings.	-	1	-	1	-	1	-
					Boilers and Engineers' Fittings.	-	1	-	1	-	1	-
					Total - - - £.	-	2	-	2	-	2	-
STEAM PINNACE, No. 38.	6	13	- On the 14th Nov. 1874 -		Hull - - -	302	-	-	302	-	302	Value of boat as received from Portsmouth Yard.
					Engines and Engineers' Fittings.	442	-	-	442	-	442	-
					Hull - - -	2	6	-	8	-	8	-
STEAM PINNACE, No. 48.	6	13	23 Mar. 1874	30 May 1874	Engines and Engineers' Fittings.	1	2	-	3	-	3	Completing for sea service.
					Boilers and Engineers' Fittings.	-	2	-	2	-	2	-
					Total - - - £.	1	4	-	5	-	5	-
TOURMALINE - -	14 (2,000)	-	- On the 17th Feb. 1875 -		Hull - - -	5	-	-	5	-	5	Stores supplied not chargeable to Contractors building the vessel.
					Hull - - -	248	275	-	-	25	498	Making air-compressing machinery for torpedo experiments. This vessel was built at Pembroke, and completed for service at Portsmouth.
VESUVIUS (Torpedo Vessel.)	- (350)	-	23 Mar. 1874	15 Aug. 1874	Hull - - -	21,527	15,073	-	36,600	2,706	38,894	-
					Masts and Yards -	848	562	-	1,410	142	1,268	-
					Rigging and Stores -	15,132	1,208	-	16,340	810	15,530	-
					TOTAL - - - £.	37,507	16,843	-	54,350	3,658	50,692	-
					Engines and Engineers' Fittings.	484	85	35,111	35,680	-	35,680	See Abstract (p.156).
					Boilers and Engineers' Fittings.	13	92	-	105	-	105	-
					Engineers' Stores -	227	-	-	227	1	226	-
					TOTAL - - - £.	724	177	35,111	36,012	1	36,011	-

CHATHAM DOCKYARD.—No. 4.—DETAILED SHIP ACCOUNT—continued.

No. 2.—WEAR AND TEAR AND MAINTENANCE OF THE FLEET, IN COMMISSION AND IN RESERVE, including REPAIRS, REFITS, ALTERATIONS, WORKS rendered necessary by NEW ARMAMENTS, and the RENEWAL OF WORN-OUT and PERISHABLE STORES, such as RIGGING, ROPE, SAILS, BLOCKS, &c.

NAME OF SHIP.	PERIODS within which the Expense was incurred.		Horse Power.	Tonnage.	Detailed Head of Charge.		Value of Materials Issued.	Wages.	Payments to Con- tractors, &c. Made and Allowed at Admiralty.	Gross Total, excluding Incidental and Estab- lishment Charges.	Value of Materials Returned.	Net Total, excluding Incidental and Estab- lishment Charges.	Incidental and Estab- lishment Charges.	Total Expense, inclusive of Incidental and Estab- lishment Charges.	REMARKS.	
	From	To														
IRON CLADS BUILT BY CONTRACT:																
IN COMMISSION:																
AUDACIOUS -	14	800 (4,027)	3,774 (6,034)	21 May 1874	26 Nov. 1874	{ Rigging and Stores Engineers' Stores	4,255 1,799	3 —	— —	4,258 1,799	8,810 1,171	4,552 628	— —	— —	— —	Stores returned on ship paying off in March 1874.
				7 Sept. "	12 Sept. "	Hull - - -	—	2	—	2	—	2	—	—	—	
				12 Oct. "	17 Oct. "	Hull - - -	—	1	—	1	—	1	—	—	—	Inspecting manufacture of iron plates.
HECTOR -	18	800 (3,256)	4,089 (6,718)	4 Jan. 1875	16 Jan. 1875	Hull - - -	—	1	—	1	—	1	—	—	—	
						Hull - - - Rigging and Stores	— 4,255	4 3	— —	4 4,258	— 8,810	4 4,552	— —	— —	— —	See Abstract (p. 156).
						TOTAL - - - £.	4,255	7	—	4,262	8,810	4,548	—	—	—	
						Engineers' Stores -	1,799	—	—	1,799	1,171	628	—	—	—	
IRON CLADS BUILT IN HER MAJESTY'S DOCKYARDS:																
IN COMMISSION:																
FAVORITE -	10	400 (4,773)	2,094 (3,232)	-	On the 19th May 1874	Rigging and Stores	35	—	—	35	—	35	—	—	—	Boat and gear supplied.
				-	On the 6th April 1874	Hull - - -	37	—	—	37	—	37	—	—	—	Racers for gun slides.
						Hull - - - Masts and Yards - Rigging and Stores -	— 220 5 893	— 337 6 30	— — —	— 557 11 923	— 21 — 204	— 536 719	— — —	— — —	— — —	Casual repairs and sup- plies. Docking and re- coating bottom.
						Total - - - £.	1,118	373	—	1,491	225	1,266	—	—	—	
				8 June 1874	31 July 1874	Engines and Engineers' Fittings. Boilers and Engineers' Fittings. Engineers' Stores -	9 1 201	57 7 —	— — —	66 8 201	— — 1	66 8 200	— — —	— — —	— — —	Casual repairs and sup- plies. Docking and re- coating bottom.
PENELOPE -	11	600 (4,703)	3,036 (4,394)			Total - - - £.	211	64	—	275	1	274	—	—	—	

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CHATHAM DOCKYARD. No. 4.—DETAILED SHIP ACCOUNT—continued.

No. 2.—WEAR AND TEAR AND MAINTENANCE OF THE FLEET, IN COMMISSION AND IN RESERVE, including REPAIRS, REFITS, ALTERATIONS, &c.—continued.

NAME OF SHIP.	Number of Guns.	Horse Power.	Tonnage.	PERIODS within which the Expense was incurred.		Detailed Head of Charge.	Value of Materials Issued.	Wages. ★	Payments to Con- tractors, &c. Made and Allowed at Admiralty.	Gross Total, excluding Incidental and Establish- ment Charges.	Value of Materials Returned.	Net Total, excluding Incidental and Establish- ment Charges.	Incidental and Establishment Charges.	Total Expense, inclusive of Incidental and Establishment Charges.	REMARKS.				
				From	To														
NOT IRON CLAD—continued.																			
IN COMMISSION—continued.																			
FOX	2	200 (764)	1,131 (4,780)	- On the 28th Mar. 1874 -		Rigging and Stores	£.	£.	£.	£.	£.	£.	£.	£.	£.	Casual returns.			
				- On the 13th April 1874 -		Rigging and Stores	3	—	—	3	—	3	—	—	—	—	Casual supplies.		
				11 May 1874 30 May 1874		Hull	1	5	—	6	—	6	—	—	—	—	Casual repairs.		
				3 Aug. " 20 Aug. "		{ Hull Rigging and Stores	9 35	12 3	—	21 38	—	21 38	—	—	—	—	—	Casual repairs and supplies.	
				Total - - - £.			44	15	—	59	—	59	—	—	—	—	—	—	
IMOGENE (Tender to "Valiant," River Shannon).	1	60 (485)	300 (—)	5 Oct. " 31 Oct. "		{ Hull Rigging and Stores	4 77	10 4	—	14 81	—	14 81	—	—	—	ditto.			
				Total - - - £.			81	14	—	95	—	95	—	—	—	—	—		
				- On the 2nd Nov. 1874 -		{ Hull Masts and Yards	138 7	—	—	138 7	—	138 7	—	—	—	—	—	—	Copper sheets supplied to Contractors repairing vessel.
				Total - - - £.			145	—	—	145	—	145	—	—	—	—	—	—	
						{ Hull Rigging and Stores	616 310	98 —	—	714 310	15 124	699 186	—	—	—	—	—	—	Casual repairs and sup- plies, &c. Return into store of machinery re- moved by artificers of reserve.
PEMBROKE	—	Late 200 (572)	1,758 (2,842)	24 Mar. 1874 20 Mar. 1875		Engines and Engineers' Fittings. Boilers and Engineers' Fittings. Engineers' Stores	— — 75	— — —	— — —	— — 75	350 207 —	350 207 —	— — —	— — —					
				Total - - - £.			75	—	—	75	557	557	—	—	—	—			

[illegible]

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[illegible]

IRON CLADS BUILT IN HER MAJESTY'S DOCKYARDS;

[illegible]

No. 2.—WEAR AND TEAR AND MAINTENANCE OF THE FLEET, IN COMMISSION AND IN RESERVE, including REPAIRS, RETINS, ALTERATIONS, &c.—continued.

NAME OF SHIP.	Number of Guns.	Horse Power.	Tonnage.	PERIODS within which the Expense was incurred.		Detailed Head of Charge.	Value of Materials Issued.	Wages.	Payments to Con- tractors &c. Allowed at Admiralty.	Gross Total, excluding Incidental and Establish- ment Charges.	Value of Materials Returned.	Net Total, excluding Incidental and Establish- ment Charges.	Incidental and Estab- lishment Charges.	Total Expense, inclusive of Incidental and Estab- lishment Charges.	REMARKS.	
				From	To											
NOT IRON CLAD—continued.																
IN RESERVE—continued.																
ATLAS - - -	73	800 (3,732)	3,318 (5,260)	- On the 11th June 1874 -	-	Rigging and Stores	£. 106	-	-	£. 106	-	£. 106	-	-	Casual supplies.	
				- On the 7th July 1874 -	-	Rigging and Stores	2	-	-	2	-	2	-	-		
				- On the 10th Feb. 1875 -	-	Rigging and Stores	3	-	-	3	-	3	-	-		
BARROSA - -	17	400 (4,616)	1,700 (2,731)	30 Mar. 1874	25 April 1874	Hull - - -	-	4	-	4	-	4	-	-	Fitting tanks in bread room.	
						Hull - - -	1	38	-	39	-	39	-	-		
BASILISK - -	5	400 (4,033)	1,031 (-)	4 Jan. 1875	6 Feb. 1875	Engines and Engineers' Fittings.	1	21	-	22	-	22	-	-	Examining condition of hull and machinery.	
						Boilers and Engineers' Fittings.	1	11	-	12	-	12	-	-		
						Total - - - £.	2	32	-	34	-	34	-	-		
CHANTICLEER -	7	200 (694)	950 (4,365)	- On the 24th Aug. 1874 -	-	Hull - - -	2	-	-	2	-	2	-	-	Casual supplies and returns, &c.	
				10 Feb. 1875	20 Mar. 1875	Hull - - -	-	4	-	4	-	4	-	-		
						Rigging and Stores	1	-	-	1	-	-	-	-		
						Total - - - £.	1	4	-	5	-	4	-	-		
CHERUB - - -	2	60 (226)	268 (3,20)	3 Aug. 1874	15 Aug. 1874	Hull - - -	-	4	-	4	-	4	-	-	Transporting and basing vessel.	
				26 Oct. "	21 Nov. "	Hull - - -	-	1	-	1	-	1	-	-		
				23 Mar. "	28 Mar. "	Hull - - -	-	3	-	3	-	3	-	-	Transporting vessel.	
				26 April "	2 May "	Hull - - -	-	13	-	13	-	13	-	-		
				- On the 11th June 1874 -	-	Rigging and Stores	50	-	-	50	-	50	-	-	Awnings supplied.	
CITRO - - -	18	400 (4,509)	1,472 (3,376)	7 Sept. 1874	12 Sept. 1874	Hull - - -	-	3	-	3	-	3	-	-	Transporting vessel.	
				24 Oct. "	31 Oct. "	Hull - - -	-	1	-	1	-	1	-	-		
				30 Nov. "	12 Dec. "	Hull - - -	1	2	-	3	-	3	-	-	Lining ports.	

	1 June "	6 June "	Hull - - -	-	-	-	-	-	-	-	-	Basing vessel.
	- On the 30th July 1874 -		Hull - - -	3	-	-	1	-	-	3	-	Harbour sawing stations supplied.
			Hull - - -	15	75	-	90	-	-	90	-	
COLUMBINE - - - 3	23 Nov. 1874 G72 (915)	10 Dec. 1874	{ Engines and Engineers' Fittings. Boilers and Engineers' Fittings.	1	11	-	12	-	-	12	-	Examining hull and machinery.
			Total - - £.	1	16	-	17	-	-	17	-	
	28 Dec. "	2 Jan. 1875	Engines and Engineers' Fittings.	-	2	-	2	-	-	2	-	
			{ Hull - - - Rigging and Stores	1	6	-	6	-	-	6	-	Transporting vessel, and casual supplies.
			Total - - £.	1	6	-	7	-	-	7	-	
	- On the 11th Aug. 1874 -		Rigging and Stores	-	-	-	-	28	-	28	-	Anchor returned prior to vessel breaking up.
	21 Sept. 1874	26 Sept. 1874	Hull - - -	-	2	-	2	-	-	2	-	Transporting vessel.
	28 Oct. "	31 Oct. "	Hull - - -	-	1	-	1	-	-	1	-	Surveying vessel.
	24 Nov. "	19 Dec. "	Hull - - -	1	41	-	42	1	-	41	-	Unbasing.
	22 Feb. 1875	27 Feb. 1875	Hull - - -	-	2	-	2	-	-	2	-	Transporting vessel.
	36 Oct. 1874	31 Oct. 1874	Hull - - -	-	1	-	1	-	-	1	-	Casual supplies.
	- On the 10th Feb. 1875 -		Rigging and Stores	2	-	-	2	-	-	2	-	
	23 Mar. 1874	15 Aug. 1874	{ Hull - - - Masts and Yards	-	8	-	8	-	-	8	-	Fitting tanks in bread room, and inspecting manufacture of iron masts.
			Total - - £.	-	61	-	61	-	-	61	-	
				-	69	-	69	-	-	69	-	
	7 Sept. "	12 Sept. "	{ Hull - - - Masts and Yards	-	9	-	9	-	-	9	-	Transporting vessel, and inspecting manufacture of iron masts.
			Total - - £.	-	3	-	3	-	-	3	-	
				-	12	-	12	-	-	12	-	
	19 Oct. "	24 Oct. "	{ Masts and Yards Rigging and Stores	-	9	-	9	-	-	9	-	Inspecting manufacture of iron masts, and awnings returned.
			Total - - £.	-	-	-	-	31	-	31	-	
				-	9	-	9	-	-	9	-	

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CHATHAM DOCKYARD—No. 4.—DETAILED SHIP ACCOUNT—continued.

No. 2.—WEAR AND TEAR AND MAINTENANCE OF THE FLEET, IN COMMISSION AND IN RESERVE, including REPAIRS, REFFITS, ALTERATIONS, &c.—continued.

NAME OF SHIP.	PERIODS within which the Expense was incurred.		Tonnage.	Horse Power.	Number of Guns.	Detailed Head of Charge.	Value of Materials Issued.	Wages.	Payments to Con- tractors, &c. Made and Allowed at Admiralty.	Gross Total, excluding Incidental and Establish- ment Charges.	Value of Materials Returned.	Net Total, excluding Incidental and Establish- ment Charges.	Incidental and Estab- lishment Charges.	Total Expense, inclusive of Incidental and Estab- lishment Charges.	R E M A R K S.
	From	To													
NOT IRON CLAD—continued.															
IN RESERVE—continued.															
LEE - - - - -	-	-	5	80 (332)	431 (570)	-	2	-	-	2	-	2	-	-	Casual supplies.
						{ Hull - - - - - Rigging and Stores	1	6	-	6	-	6	-	-	
						Total - - - £.	1	6	-	7	-	7	-	-	Transporting vessel and casual supplies.
MAGNET - - - - -	-	-	2	60 (267)	238 (284)	Hull - - - - - Engines and Engineers' Fittings.	-	3	-	3	-	3	-	-	Transporting vessel.
						Rigging and Stores	-	-	-	-	14	4 1/2	-	-	Supply of material for re- moving machinery.
						- On the 25th Sept. 1874 -	-	-	-	-	-	-	-	-	Anchors returned prior to vessel being broken up.
NEWPORT - - - - -	-	-	1	80 (325)	425 (570)	Hull - - - - -	-	1	-	1	-	1	-	-	Transporting vessel.
						- On the 4th June 1874 -	-	-	-	-	120	120	-	-	Sounding engine returned.
						26 Oct. 1874 31 Oct. 1874	-	1	-	1	-	1	-	-	Transporting vessel.
						- On the 11th June 1874 -	61	-	-	61	-	61	-	-	Awings supplied.
PHETON - - - - -	-	-	28	400 (1,566)	2,396 (3,099)	Rigging and Stores	2	-	-	2	-	2	-	-	Casual supplies.
						- On the 7th July 1874 -	1	-	-	1	-	1	-	-	- - ditto.
						- On the 10th Feb. 1875 -	53	-	-	53	-	53	-	-	Awings supplied.
						- On the 11th June 1874 -	-	-	-	-	-	-	-	-	
PLYER - - - - -	-	-	3	160 (977)	663 (774)	Hull - - - - -	-	6	-	6	-	6	-	-	Unbaiting and navigating to Sheerness.
						{ Hull - - - - - Engines and Engineers' Fittings.	-	8	-	8	-	8	-	-	
						Boilers and Engineers' Fittings.	1	7	-	8	-	8	-	-	Mooring and transporting vessel. Examination of machinery.
						Total - - - £.	1	14	-	14	-	14	-	-	
								21	-	22	-	22	-	-	
PLYADES - - - - -	-	-	17	350 (1,011)	1,278 (2,021)	Hull - - - - -	-	3	-	3	-	3	-	-	Transporting vessel.

CHATHAM DOCKYARD.—No. 4.—DETAILED SHIP ACCOUNT—continued.

No. 2.—WEAR AND TEAR AND MAINTENANCE OF THE FLEET IN COMMISSION AND IN RESERVE, including REPAIRS, REFITS, ALTERATIONS, &c.—continued.

NAME OF SHIP.	Number of Guns.	Horse Power.	Tonnage.	PERIODS within which the Expense was incurred.		Detailed Head of Charge.	Value of Materials Issued.	Wages.	Payments to Con- tractors, &c. Made and Allowed at Admiralty.	Gross Total, excluding Incidental and Estab- lishment Charges.	Value of Materials Returned.	Net Total, excluding Incidental and Estab- lishment Charges.	Incidental and Estab- lishment Charges.	Total Expense, inclusive of Incidental and Estab- lishment Charges.	REMARKS.	
				From	To											
NOT IRON CLAD—continued.																
IN RESERVE—continued.																
STEAM CUTTER, No. 23. (Tender to "Audacious.")	-	2½	4	3 Sept. 1874	10 Oct. 1874	{ Hull - - - - Engines and Engineers' Fittings.	£. 1	£. 2	£. —	£. 3	£. —	£. 3	£. —	£. —	-	Rocket fittings and trial of machinery.
				- On the 30th April 1874 -		Hull - - - -	—	—	—	—	19	19	—	—	-	Returns consequent on lengthening launch.
						{ Hull - - - - Engines and Engineers' Fittings.	70	—	—	70	—	70	—	—	-	Lengthening launch.
				13 Aug. 1874	26 Sept. 1874	Engines and Engineers' Fittings.	17	—	—	17	—	17	—	—	-	Materials supplied to Steam Reserve for repair of engines; new boiler, &c.
STEAM LAUNCH, No. 10. (Attached to Steam Reserve.)	-	6	23			{ Boilers and Engineers' Fittings.	307	—	—	307	—	307	—	—	-	
						Total - - - £.	324	—	—	324	—	324	—	—	-	
				2 Nov. "	14 Nov. "	Engines and Engineers' Fittings.	6	—	—	6	—	6	—	—	-	Materials supplied to Steam Reserve for repair of engines. Lengthening launch.
				25 Feb. 1875	20 Mar. 1875	{ Hull - - - - Engines and Engineers' Fittings.	22	4	—	26	—	26	—	—	-	
						Engines and Engineers' Fittings.	44	—	—	44	—	44	—	—	-	Materials supplied to Steam Reserve for repair of engines. Casual supplies, &c.
				3 June 1874	9 June 1874	Hull - - - -	30	—	—	30	1	29	—	—	-	
STEAM PINNACE, No. 1. - (Attached to Steam Reserve.)	-	4	12	8 July "	10 Aug. "	{ Hull - - - - Boilers and Engineers' Fittings.	6	—	—	6	19	13	—	—	-	- ditto.
						Boilers and Engineers' Fittings.	2	—	—	2	—	2	—	—	-	
				15 June "	27 June "	Hull - - - -	12	5	—	17	—	17	—	—	-	Fitting shield for torpedo gear. Casual defects.
				22 July "	20 Aug. "	Hull - - - -	—	3	—	3	8	5	—	—	-	
						{ Hull - - - - Engines and Engineers' Fittings.	7	8	—	15	2	13	—	—	-	General refit.
STEAM PINNACE, No. 44. (Tender to "Audacious.")	-	6	13	14 Sept. "	19 Oct. "	Engines and Engineers' Fittings.	1	9	—	10	—	10	—	—	-	
						{ Boilers and Engineers' Fittings.	2	3	—	5	—	5	—	—	-	
						Total - - - £.	3	12	—	15	—	15	—	—	-	

CHATHAM DOCKYARD.—No. 4.—DETAILED SHIP ACCOUNT.—continued.

No. 3.—HULKS REPAIRING, &c.

NAME OF SHIP.	Rate or Class of Ship.	Horse Power.	Tonnage.	PERIODS within which the Expense was incurred.		Detailed Head of Charge.	Value of Materials Issued.	Wages.	Payments to Contractors, &c. Made and Allowed at Admiralty.	Gross Total, excluding Incidental and Establishment Charges.	Value of Materials Returned.	Net Total, excluding Incidental and Establishment Charges.	Incidental and Establishment Charges.	Total Expense, inclusive of Incidental and Establishment Charges.	REMARKS.
				From	To										
ARAX (late "Vanguard").	2nd Rate	-	2,609 (3,512)	4 May 1874	9 May 1874	Hull - - -	£. 1	£. 15	£. -	£. 16	£. -	£. 16	-	£. -	Basing and lining ports.
				26 Oct. "	31 Oct. "	Hull - - -	-	2	-	2	-	2	-	-	Transporting.
				23 Mar. "	2 June "	Hull - - -	6	46	-	52	-	52	-	-	Examining cement and iron surfaces.
CHASSEUR -	Floating Factory.	Late 70	543	7 Oct. "	6 Nov. "	Hull - - -	12	1	-	13	-	13	-	-	Paint for weatherworks and transporting.
				27 Nov. "	3 Dec. "	Hull - - -	10	-	-	10	-	10	-	-	Paint for weatherworks.
				13 April "	18 April "	Hull - - -	-	13	-	13	-	13	-	-	Examining ship.
CONQUEROR -	2nd Rate	Late 500 (4,977)	2,845 (4,579)	- On the 2nd Nov. 1874	-	Rigging and Stores	-	-	-	-	357	357	-	-	Ballast returned. This ship was taken to pieces in 1873-74.
DIANA -	5th Rate	-	1,083 (1,447)	5 Sept. 1874	12 Sept. 1874	Hull - - -	-	2	-	2	-	2	-	-	Transporting ship.
DREADNOUGHT	1st Rate	-	2,712 (4,432)	28 Nov. "	7 Dec. "	Rigging and Stores	-	-	-	-	56	56	-	-	Blocks and cordage returned prior to vessel breaking up.
				- On the 27th Jan. 1875	-	Rigging and Stores	-	-	-	-	11	11	-	-	Iron ballast returned.
				6 Feb. 1875	16 Feb. 1875	Rigging and Stores	-	-	-	-	1,723	1,723	-	-	Transporting ship.
EURYDICE -	6th Rate	-	921 (4,044)	28 Dec. 1874	2 Jan. "	Hull - - -	-	2	-	2	-	2	-	-	Preparing for navigating to Portsmouth.
				15 Mar. 1875	20 Mar. "	Hull - - -	3	8	-	11	-	11	-	-	Casual supplies.
				- On the 27th Mar. 1874	-	Hull - - -	1	-	-	1	-	1	-	-	Mess fittings and painting; the ship having been ordered to be used for a receiving hulk.
FORTE -	4th Rate	460 (4,539)	2,364 (3,456)	13 July 1874	5 Sept. 1874	Hull - - - { Rigging and Stores	31	69	-	100	4	100	-	-	Transporting.
				12 Oct. "	17 Oct. "	Hull - - -	-	2	-	2	-	2	-	-	Lining ports.
				1 Dec. "	12 Dec. "	Hull - - -	-	1	-	1	-	1	-	-	
GLOUCESTER -	4th Rate	-	1,797 (2,504)	13 July 1874	18 Jan. 1875	Hull - - - { Rigging and Stores	7	20	-	27	45	27	-	-	Casual repairs, supplies, and returns.
				1 Mar. 1875	20 Mar. "	Hull - - - { Rigging and Stores	24	-	-	24	-	24	-	-	Casual repairs and supplies.
				-	-	Total - - -	31	20	-	51	45	6	-	-	
Total - - -							£. 23	38	-	61	-	61	-	-	

5th Rate	20 Jan. "	12 Feb. "	Rigging and Stores	—	—	709	709	Iron ballast returned prior to breaking up vessel.
HANDY (late "Nymph") (late Floating Chapel, &c., Water Police Ship).	1,087 (4,397)							
			Engines and Engineers' Fittings.					
Hood (late Screw) (Lent to War Department).	Late 3,308 600 (5,065)	23 Mar. 1874 21 April 1874	Hull - - -	18	—	251	251	Breaking up machinery.
	(—)	- On the 3rd Dec. 1874 -	Hull - - -	—	—	2	2	Casual returns.
		- On the 13th Jan. 1875 -	Hull - - -	—	—	1	1	- - ditto.
LATONA - - -	1,071 (4,447)	13 Jan. 1875 12 Feb. 1875	Rigging and Stores	—	—	408	408	Iron ballast returned prior to breaking up vessel.
MORTAR FLOAT, No. 107.	103	23 Nov. 1874 19 Dec. 1874	Hull - - -	18	—	—	—	Docking and re-coating bottom.
MORTAR FLOAT, No. 118.	102	23 Nov. " 30 Jan. 1875	Hull - - -	26	—	—	—	- ditto - ditto.
MORTAR FLOAT, No. 139.	105	23 Nov. " 30 Jan. "	Hull - - -	50	—	12	12	Docking, re-coating bottom, and cementing inside.
ONERON (used by War Department for Torpedo Experiments).	Late 649 260	- On the 26th Feb. 1875 -	Engines and Engineers' Fittings.	—	—	—	—	Surface condenser supplied for torpedo experiments.
			Hull - - -	23	—	—	—	Repairing gun fittings.
		22 May 1874 24 July 1874	Engines and Engineers' Fittings.	—	—	157	157	Machinery returned from vessel.
			Boilers and Engineers' Fittings.	—	—	211	211	
			Total - - - £.	—	—	368	368	
				—	—	—	—	
		- On the 18th Aug. 1874 -	Rigging and Stores	—	—	2	2	Casual returns.
RAINBOW (Gun-boat, R.N. Artillery Volunteers).	Late 235 60 (284)			—	—	—	—	Racer-plate returned. Ballast, &c., supplied.
	(456)		Hull - - -	—	—	32	32	
			Rigging and Stores	107	2	—	109	
		6 Nov. 1874 28 Nov. 1874	Total - - - £.	107	2	32	77	Under-water fittings re-turned.
			Engines and Engineers' Fittings.	—	—	76	76	Preparing gun fittings. Stores supplied for use of R. N. A. Volunteers, for whom the vessel has been fitted by contract as a training ship.
		18 Jan. 1875 12 Mar. 1875	Hull - - -	6	—	—	—	
			Rigging and Stores	265	1	—	266	
			Total - - - £.	271	17	—	288	
				—	—	—	—	Transporting ship.
RESOLUTE -	424	23 Mar. 1874 28 Mar. 1874	Hull - - -	2	—	—	2	Ballast returned on breaking up vessel.
SALLETTE -	902	- On the 2nd Nov. 1874 -	Rigging and Stores	—	—	355	355	- ditto - - ditto.
SCORPION -	228 (278)	- On the 2nd Nov. 1874 -	Rigging and Stores	—	—	104	104	

CHATHAM DOCKYARD.—No. 4.—DETAILED SHIP ACCOUNT—continued.

No. 3.—HULKS REPAIRING, &c.—continued.

NAME OF SHIP.	Rate or Class of Ship.	Horse Power.	Tonnage.	PERIODS within which the Expense was incurred.		Detailed Head of Charge.	Value of Materials Issued.	Wages.	Payments to Contractors, &c. Made and Allowed at Admiralty.	Gross Total, excluding Incidental and Establishment Charges.	Value of Materials Returned.	Net Total, excluding Incidental and Establishment Charges.	Incidental and Establishment Charges.	Total Expense, inclusive of Incidental and Establishment Charges.	REMARKS.			
				From	To													
THUNDERBOLT -	Late Floating Battery attached to temporary pier, Chatham.	Late 200 (1,067)	1,973 (1,844)	17 April 1874	21 Nov. 1874	Hull - - - Rigging and Stores Total - - - £.	£. 51 — 51	£. 78 — 78	— — —	£. 129 — 129	£. 243 105 348	£. 144 105 219	— — —	£.	{ Repairing for service as floating pier. Engines, anchor, and cables re- turned into store.			
				11 Jan. 1875	23 Jan. 1875	Engines and Engineers' Fittings.	2	9	—	11	574	563	—	—				
				16 Feb. "	20 Feb. "	Hull - - -	—	7	—	7	—	7	—	—		—	—	Transporting.
				- On the 10th Nov. 1874	-	Hull - - - Rigging and Stores Rigging and Stores	— — —	— — —	— — —	— — —	— — —	— — —	— — —	— — —		— — —	—	Casual returns.
VOLAGE -	6th Rate	-	516 (742)	6 April 1874	21 May 1874	Hull - - - Rigging and Stores Total - - - £.	23 8 31	69 — 69	— — —	92 8 100	— — —	92 8 100	— — —	£.	Ballast returned prior to breaking up vessel.			
WATCH VESSEL, No. 17.	Late Mortar Vessel, No. 50.	-	160	20 July "	4 Aug. "	Hull - - -	—	3	—	3	—	3	—	£.	Fitting for temporary residence of police.			
WATCH VESSEL, No. 25.	Sloop	-	330	- On the 7th Aug. 1874	-	Rigging and Stores	—	—	—	—	69	69	—	£.	Casual repairs.			
WATCH VESSEL, No. 26.	Sloop	-	310	2 Nov. 1874	18 Nov. 1874	Rigging and Stores	—	—	—	—	98	98	—	£.	Ballast and stores re- turned prior to break- ing up vessel.			
WATCH VESSEL, No. 27.	Late Mortar Vessel, No. 5.	-	120	- On the 28th Jan. 1875	-	Rigging and Stores	—	—	—	—	56	56	—	£.	- ditto - ditto.			
				- On the 2nd Nov. 1874	-	Rigging and Stores	—	—	—	—	13	13	—	£.	- ditto - ditto.			
TOTAL - - -							304 415 719	511 3 514	— — —	815 418 1,233	295 4,250 4,545	520 3,832 3,312	— — —	£.	See Abstract (p. 157).			
							462	27	—	489	1,058	569	—	£.				
							—	—	—	—	211	211	—	£.				
							462	27	—	489	1,269	780	—	£.				

No. 4.—STEAM TUGS, YARD CRAFT, COAL DEPÔTS, &c., BUILDING, FITTING, REFITTING, &c.

Yard to which the Craft is Attached.	Name and Description of Yard Craft.	Horse Power.	Tonnage.	PERIODS within which the Expense was incurred.		Value of Materials Issued.	Wages.	Payments to Contractors, &c. Made and Allowed at Admiralty.	Gross Total, excluding incidental and Establishment Charges.	Value of Materials Returned.	Net Total, incidental and Establishment Charges.	Incidental and Establishment Charges.	Total Expense, inclusive of incidental and Establishment Charges.	REMARKS.
				From	To									
CHATHAM YARD.	AID " " " (Late Chatham Yard Craft, No. 3.)	-	154	- On the 15th Sept. 1874 -		-	-	-	-	22	22	-	-	Sails returned.
						-	1	-	1	-	1	-	-	Examining hull.
						-	-	-	1	-	1	-	-	Casual repairs.
				6 April 1874	25 April 1874	Engines and Engineers' Fittings.	1	-	1	-	1	-	-	Casual repairs.
						Boilers and Engineers' Fittings.	3	-	4	-	4	-	-	
						Total - - - £.	1	-	5	-	5	-	-	
				8 June "	27 June "	Hull - - -	-	-	1	-	1	-	-	Casual repairs and supplies.
						Rigging and Stores -	3	-	3	-	3	-	-	
						Total - - - £.	3	-	4	-	4	-	-	
				20 July "	22 Sept. "	Boilers and Engineers' Fittings.	1	-	7	-	7	-	-	Casual repairs, supplies, and returns.
						Engineers' Stores -	8	-	8	-	8	-	-	
						Total - - - £.	9	-	15	-	15	-	-	
CHATHAM YARD.	BUSTLER " (Paddle Tug).	304 (100)	217	20 Oct. "	2 Nov. "	Rigging and Stores -	4	-	4	2	2	-	-	Casual supplies and returns.
						Boilers and Engineers' Fittings.	1	-	20	-	20	-	-	
						Engineers' Stores -	12	-	12	-	12	-	-	
				19 Dec. "	9 Jan. 1875	Total - - - £.	13	-	32	-	32	-	-	Casual repairs and supplies.
						Rigging and Stores -	13	-	13	3	10	-	-	
						Boilers and Engineers' Fittings.	3	-	11	-	11	-	-	
				20 Feb. 1875	20 Mar. "	Engineers' Stores -	3	-	3	-	3	-	-	Examining hull and casual supplies.
						Total - - - £.	6	-	14	-	14	-	-	
						Hull - - -	-	-	3	-	3	-	-	
						Engineers' Stores -	2	-	2	-	2	-	-	

No. 4.—STEAM TUGS, YARD CRAFT, COAL DEPOTS, &c, BUILDING, FITTING, REFITTING, &c.—continued.

Yard to which the Craft is Attached.	Name and Description of Yard Craft.	Horse Power.	Tonnage.	PERIODS within which the Expense was incurred.		Detailed Head of Charge.	Value of Materials Issued.	Wages.	Payments to Contractors, &c. Made and Allowed at Admiralty.	Gross Total, excluding Incidental and Establishment Charges.	Value of Materials Returned.	Net Total, excluding Incidental and Establishment Charges.	Incidental and Establishment Charges.	Total Expense, inclusive of Incidental and Establishment Charges.	REMARKS.
				From	To										
CHATHAM YARD—continued.	CHATHAM (Sheer Hulk).	—	1,691	23 Mar. 1874	28 Mar. 1874	Hull - - -	£. —	£. 1	—	£. 1	—	£. 1	—	£. —	Casual repairs.
				11 Apr. "	27 May "	Rigging and Stores -	7	4	—	11	2	9	—	—	Casual supplies and repairs.
				23 Mar. "	18 Apr. "	Rigging and Stores -	4	8	—	12	—	12	—	—	
				- On the 21st July 1874 -		Rigging and Stores -	1	—	—	1	—	1	—	—	
	Duck (Late Chatham Yard Craft, No. 4).	—	111	5 Oct. 1874	11 Jan. 1875	Hull - - -	5	26	—	31	—	31	—	—	Casual repairs, &c.
						Masts and Yards -	16	5	—	21	—	21	—	—	
						Rigging and Stores -	44	3	—	47	4	43	—	—	
						Total - - - £.	65	34	—	99	4	95	—	—	
	MONKEY - (Paddle Tug).	130	212	15 Feb. 1875	6 Mar. "	Hull - - -	12	18	—	30	—	30	—	—	Casual repairs, &c.
						Rigging and Stores -	1	1	—	2	—	2	—	—	
						Total - - - £.	13	19	—	32	—	32	—	—	
						Hull - - -	1,287	1,700	—	2,987	464	2,523	—	—	General repair and re-ft, including a set of engines, ex "Fairy," and a new boiler.
CHATHAM YARD—continued.	MONKEY - (Paddle Tug).	130	212	4 Apr. 1874	20 Mar. "	Rigging and Stores -	94	10	—	104	30	74	—	—	
						Total - - - £.	1,381	1,710	—	3,091	494	2,597	—	—	
						Engine and Engineers' Fittings.	814	1,193	—	2,007	381	1,626	—	—	
						Boilers and Engineers' Fittings.	1,337	348	—	1,685	396	1,289	—	—	
CHATHAM YARD—continued.	MONKEY - (Paddle Tug).	130	212	4 Apr. 1874	20 Mar. "	Engineers' Stores -	58	—	—	58	6	52	—	—	
						Total - - - £.	2,209	1,541	—	3,750	783	2,967	—	—	
				6 Apr. "	20 Apr. 1874	Rigging and Stores -	7	—	—	7	1	6	—	—	
				8 June "	4 July "	Hull - - -	4	12	—	16	—	16	—	—	
CHATHAM YARD—continued.	MONKEY - (Paddle Tug).	130	212			Rigging and Stores -	6	—	—	6	—	6	—	—	
						Total - - - £.	10	12	—	22	—	22	—	—	

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CHATHAM DOCKYARD.—No. 4.—DETAILED SHIP ACCOUNT—continued.

No. 5.—SHIPS AND VESSELS BREAKING UP.

NAME OF SHIP.	Rate or Class of Ship.	Number of Guns.	Horse Power.	Tonnage.	PERIODS within which the Expense was incurred.		Value of Materials Issued.	Wages.	Payments to Con- tractors, &c. Made and Allowed at Admiralty.	Gross Total, excluding Incidental and Estab- lishment Charges.	Value of Materials Returned.	Net Total, excluding Incidental and Estab- lishment Charges.	Incidental and Estab- lishment Charges.	Total Expense, inclusive of Incidental and Estab- lishment Charges.	REMARKS.
					From	To									
AJAX	2nd Rate	-	-	2,609 (3,542)	15 Mar. 1875	20 Mar. 1875	-	£.	8	£.	-	£.	-	-	Breaking up.
					9 Jan. "	13 Mar. "	-	-	46	-	-	46	-	-	- ditto.
					-	On the 27th Jan. 1875	-	-	-	-	3	3	-	-	Produce from taking vessel to pieces.
DRAKE (Late Sheer- ness Yard Craft, No. 1).	Cutter	-	-	83	2 Mar. 1875	12 Mar. 1875	-	-	-	-	358	358	-	-	Breaking up.
					21 Dec. 1874	20 Mar. "	-	-	1,477	1,477	-	1,477	-	-	Produce from taking vessel to pieces.
					5 Jan. 1875	19 Mar. "	-	-	-	-	4,800	4,800	-	-	Breaking up.
DREADNOUGHT	1st Rate	-	-	2,712 (4,482)	18 May 1874	31 Oct. 1874	-	-	119	119	-	119	-	-	Produce from taking vessel to pieces.
					-	On the 9th June 1874	-	-	2	2	-	2	-	-	Breaking up.
					-	On the 9th June 1874	-	-	-	-	10	10	-	-	Produce from taking vessel to pieces.
ERNE	Gun Boat	2	60 (242)	234 (284)	4 Aug. 1874	29 Oct. 1874	-	-	-	-	204	204	-	-	Machinery removed from vessel.
					28 Dec. "	15 Mar. 1875	-	-	-	-	20	20	-	-	Breaking up.
					22 Jan. 1875	20 Mar. "	-	-	-	-	314	314	-	-	Produce from taking vessel to pieces.
HANDY	5th Rate	-	-	1,087 (4,587)	2 Dec. 1874	20 Mar. "	-	-	577	577	-	577	-	-	Breaking up.
					29 Jan. 1875	20 Mar. "	-	-	-	-	1,914	1,914	-	-	Produce from taking vessel to pieces.
					-	On the 9th June 1874	-	-	-	-	594	594	-	-	Breaking up.
LATONA	5th Rate	-	-	1,071 (4,447)	29 Jan. 1875	20 Mar. "	-	-	-	-	2,198	2,198	-	-	Produce from taking vessel to pieces.
					-	On the 9th June 1874	-	-	-	-	-	-	-	-	Breaking up.
					-	On the 9th June 1874	-	-	-	-	-	-	-	-	Produce from taking vessel to pieces.

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CHATHAM DOCKYARD.—No. 4.—DETAILED SHIP ACCOUNT—continued.

No. 5.—SHIPS AND VESSELS BREAKING UP—continued.

NAME OF SHIP.	Rate or Class of Ship.	Number of Guns.	Horse Power.	Tonnage.	PERIODS within which the Expense was incurred.		Detailed Head of Charge.	Value of Materials Issued.	Wages.	Payments to Con- tractors, &c. Made and Allowed at Admiralty.	Gross Total, excluding Incidental and Establish- ment Charges.	Value of Materials Returned.	Net Total, excluding Incidental and Establish- ment Charges.	Incidental and Estab- lishment Charges.	Total Expense, inclusive of Incidental and Estab- lishment Charges.	REMARKS.
					From	To										
SEVERN -	4th Rate -	28	500 (2,092)	2,767 (3,485)	11 Jan. 1875	23 Jan. 1875	Hull - - - -	£. -	£. -	£. 20	£. 20	£. -	£. 20	-	£. -	Breaking up.
							Hull - - - -	-	-	126	126	-	126	-	-	
					11 May 1874	22 Aug. 1874	Engines and Engineers' Fittings.	-	-	4	4	-	4	-	-	ditto.
							Boilers and Engineers' Fittings.	-	-	2	2	-	2	-	-	
							Total - - - £.	-	-	6	6	-	6	-	-	
SPANKER -	Gun Boat -	2	60 (240)	234 (282)	- On the 22nd June 1874 -		Hull - - - -	-	-	-	-	4	4	-	-	Produce from taking vessel to pieces.
							Hull - - - -	-	-	-	-	813	813	-	-	
					4 Aug. 1874	29 Oct. 1874	Engines and Engineers' Fittings.	-	-	-	-	230	230	-	-	Machinery removed from vessel.
							Boilers and Engineers' Fittings.	-	-	-	-	549	549	-	-	
							Total - - - £.	-	-	-	-	779	779	-	-	
THUNDER -	Armour Plated Floating Battery.	14	150 (668)	1,460 (1,672)	23 Mar. "	31 Oct. "	Hull - - - -	-	-	751	751	-	751	-	-	Breaking up.
							Engines and Engineers' Fittings.	-	-	50	50	-	50	-	-	
							Boilers and Engineers' Fittings.	-	-	3	3	-	3	-	-	
							Total - - - £.	-	-	53	53	-	53	-	-	
							Hull - - - -	-	-	-	-	2,758	2,758	-	-	Produce from taking vessel to pieces.
					2 April "	31 Oct. "	Engines and Engineers' Fittings.	-	-	-	-	581	581	-	-	Machinery removed from vessel.
							Boilers and Engineers' Fittings.	-	-	-	-	490	490	-	-	
							Total - - - £.	-	-	-	-	1,071	1,071	-	-	

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136	In Reserve	Iron Clads built by Contract.	Hull	5,898	12,860	—	18,778	801	17,917	12,020	56,474
			Masts and Yards	368	428	—	796	97	739		
			Rigging and Stores	12,014	508	—	12,522	99	12,453		
			Engines and Engineers' Fittings	1,711	1,372	568	3,641	896	2,805		
137	In Reserve	Iron Clads built in Her Majesty's Dockyards.	Boilers and Engineers' Fittings	10,466	2,127	1,397	14,189	4,130	9,739	32	129
			Engineers' Stores	181	—	—	181	—	181		
			TOTAL	30,667	17,316	2,155	50,137	6,283	43,854		
				25	3	—	27	—	27		
143	Not Iron Clad		Rigging and Stores	67	1	—	68	—	68	4,729	11,575
			Engines and Engineers' Fittings	2	—	—	2	—	2		
			TOTAL	94	3	—	97	—	97		
				2,047	4,730	—	6,777	1,471	5,306		
146	No. 3.—Hulks Repairing, &c.		Masts and Yards	67	163	—	230	5	225	563	3,529
			Rigging and Stores	8,902	114	—	4,016	213	3,803		
			Engines and Engineers' Fittings	326	802	—	1,128	2,901	7,773		
			Boilers and Engineers' Fittings	440	384	—	824	1,666	8,2		
151	No. 4.—Steam Tugs, Yard Craft, Coal Depôts, &c., Building, Fitting, Refitting, &c.		Engineers' Stores	127	—	—	127	—	127	68,178	
			TOTAL	6,909	6,193	—	13,102	6,286	6,816		
				304	511	—	815	295	520		
				415	3	—	418	4,360	8,832		
155	No. 5.—Ships and Vessels Breaking up		Engines and Engineers' Fittings	402	27	—	489	1,088	569	2,042	8,985
			Boilers and Engineers' Fittings	—	—	—	—	311	244		
			TOTAL	1,181	541	—	1,722	6,814	9,095		
				1,473	2,051	—	3,524	513	3,011		
158	No. 6.—Ships and Vessels Breaking up		Masts and Yards	34	19	—	43	1	52	773	20,615
			Rigging and Stores	327	44	—	371	181	190		
			Engines and Engineers' Fittings	816	1,215	—	2,031	881	1,650		
			Boilers and Engineers' Fittings	1,336	401	—	1,757	396	1,361		
159	No. 7.—Ships and Vessels Breaking up		Engineers' Stores	85	—	—	85	6	79	95,869	516,080
			TOTAL	4,091	3,730	—	7,821	1,478	6,343		
				—	—	5,090	5,090	20,635	45,545		
				—	—	69	69	3,334	3,265		
TOTAL			Boilers and Engineers' Fittings	—	—	16	16	2,594	2,578	773	20,615
			TOTAL	—	—	5,175	5,175	26,563	27,388		
				183,440	119,101	5,090	307,637	32,177	275,460		
				3,624	1,932	—	5,556	768	4,778		
TOTAL			Rigging and Stores	45,673	1,932	—	47,605	16,253	31,402	95,869	516,080
			Engines and Engineers' Fittings	8,941	3,620	98,745	106,806	8,860	97,446		
			Boilers and Engineers' Fittings	12,275	2,012	1,613	16,900	9,334	7,566		
			Engineers' Stores	5,142	—	—	5,142	1,409	3,733		
GRAND TOTAL				254,101	129,687	105,448	489,186	68,971	420,215		

CHATHAM

No.

Dr.

DOCKYARD CHARGES INCIDENTAL TO

To INCOME ACCOUNT (p. 121):

For Amounts shown against the Services in the Detailed Account annexed, viz.:—

	£.	£.
Salaries, &c. - - - - -	10,374	
Rent, Rates, Taxes, and Water - - - - -	194	
Lighting with Gas - - - - -	1,000	
Contingencies - - - - -	764	
Wages to Artificers, &c., including Wages, Yard Service Afloat, and Hire of Teams - - - - -	38,913	
Wages, Police Force - - - - -	3,770	
Freight and Sundry Expenses connected with Naval Stores - - - - -	373	
Estimated Current Charge for Deferred Annuities, equal to 7 per cent. on the Salaries to Dockyard Officers, and Wages paid to Established Workmen, on account of the prospect of Pensions on their retirement - - - - -	7,319	
Repairs, Replacements, &c. of Buildings, Docks, &c. - - - - -	7,984	
Dredging in connection with Dockyard - - - - -	300	
Contingencies (Works and Repairs) - - - - -	408	
Contingencies (Machinery) - - - - -	2,056	
Repairs, Replacements, &c. of Plant (Machinery) - - - - -	10,058	

83,513

To CAPITAL ACCOUNT (p. 124):

For Value of Stores drawn for the Services named in the Detailed Account - - - - -

34,780

To CONVERSIONS (p. 167):

For Amount of the Excess Cost of Manufactured Produce over the Value at which it has been charged to Stock for subsequent issue - - - - -

1,580

To OTHER YARDS (p. 169):

For Proportion of Cost of Shipment, at the following Yards, of Stores received at Chatham Yard, viz.:—

	£.
Deptford - - - - -	268
Sheerness - - - - -	308
Portsmouth - - - - -	658
Devonport - - - - -	542
Pembroke - - - - -	30
Foreign Yards - - - - -	26

1,832

£. 121,705

DOCKYARD.

5.

SHIP BUILDING, REPAIRING, Etc.

On

By INCOME ACCOUNT (p. 170) —

2

For Value of Materials received into Stock

1,740

By OTHER THAN DOCKYARD SERVICES (p. 161) —

For Repairs to Machinery and Equipment Charges on Materials issued to and returned from, and to labor employed on account of other Branches of the Navy Service, under Department of Government, Private Individuals, Etc.

1,125

By CONVERSIONS (p. 161) —

For House of Value in which Manufactured Products are being changed to Stock for subsequent issue, over the Cost thereof

1,000

By OTHER VARIOUS (p. 161) —

For Cost of Shipment of Stores to the following Ports, etc. —

England	-	-	-	-	-	-	-	-	-	-	-	100
Germany	-	-	-	-	-	-	-	-	-	-	-	100
France	-	-	-	-	-	-	-	-	-	-	-	100
Denmark	-	-	-	-	-	-	-	-	-	-	-	100
Sweden	-	-	-	-	-	-	-	-	-	-	-	100
Swedish Yards	-	-	-	-	-	-	-	-	-	-	-	100

1,000

By SALES (p. 161) —

For Amount of the Expenditure appropriated for work on Ship Building, Etc.

1,000

1,000

CHATHAM DOCKYARD.—No. 5—continued.

DETAILED ACCOUNT of DOCKYARD CHARGES incidental to SHIP BUILDING, EQUIPPING, &c.

DETAILED HEAD OF CHARGE.	DEBITS.				CREDITS.			Net Amount Chargeable.
	Payments for Salaries, Rents, Contingencies, and other Charges.	Wages.	Materials Issued.	TOTAL.	Materials Returned.	Expense of Shipping Stores to other Yards, and other Credits.	TOTAL.	
	£.	£.	£.	£.	£.	£.	£.	£.
Opening and shutting dock gates and penstocks, floating and sinking caissons, and pumping docks; <i>except</i> when it has been possible to charge the expense direct to the ship on account of which it is incurred	-	846	800	1,646	-	-	-	1,646
Transporting hawsers, launching rope gear, rope for guys and stages, blocks, planks, bilgeways, cleats, timber, &c., for launching and docking ships, shores, spauls, stage deals, launching booths, floating stages of all kinds, wedges, harpins, and ribands, blocks under new ships, brows, temporary ladders for, and housing over, ships, &c., screws for securing plank, &c.; <i>except</i> when it has been possible to charge the expense direct to the ship on account of which it is incurred	-	2,199	13,113	15,312	2,684	-	2,684	12,628
Replacement and maintenance of yard boats	-	177	128	305	45	-	45	260
Crabs, winches, carts, waggons, timber carriages, sledges, barrows, ladders, &c.	-	1,022	937	1,959	83	-	83	1,876
Materials and labour (including pay of draughtsmen and modellers) for mould lofts; <i>except</i> when it has been possible to charge the expense direct to the ship on account of which it is incurred	-	304	87	391	6	-	6	385
Loan tool store, including repairs and replacement of tools for general service of the yard, but not for conversion shops	-	2,674	3,031	5,705	264	-	264	5,441
Fire-engines, buckets, hoses, and other gear connected therewith: share of	-	37	71	108	10	-	10	98
Collecting old timber, chips, and stores for sale, and cleaning and clearing the yard and docks	-	1,491	269	1,760	39	-	39	1,721
Coals, candles, furniture, and other stores for officers' offices	-	321	452	773	17	-	17	756
Preliminary expenses in connection with the sale of old timber and other old stores	-	449	2	451	-	-	-	451
Wages of all single stationed men and boats' crews, to include draughtsmen (except those in the mould loft), writers (except writers at ropery and manufacturing writers at other shops, whose pay is charged thereto), Acting officers on day pay, Signalmen, Messengers, Postmen, Labourers, and Boys employed on general duties, not chargeable to any other detailed head of service; also petty stores used in connection with services on which these men are employed; but not including any expenses which could be charged to any specific ship or service: share of	-	3,375	259	8,634	25	-	25	3,600
Allowances for apprentices' instructors	-	223	-	223	-	-	-	223
Wages of apprentices whilst at school, and board wages to apprentices when sick	-	218	-	218	-	-	-	218
Hurt money, including half-pay of yard craftsmen when sick	-	748	-	748	-	-	-	748
Other miscellaneous charges	-	6,903	13,054	19,957	-	-	-	19,957
Docks, slips, and basins, including housings over docks and slips, sheds, workshops, caissons, timber racks, temporary roofs, and all other buildings; and waterworks for supplying the yard and for extinguishing fire; repairs, replacements, and maintenance of	7,984	-	-	7,984	-	-	-	7,984
Dredging in connection with Dockyard	300	-	-	300	-	-	-	300
Contingencies (Works and Repairs)	408	-	-	408	-	-	-	408
Contingencies (Machinery)	2,056	-	-	2,056	-	-	-	2,056
Machinery for the general service of the yard and factory; cranes, capstans, steam hoists, &c.; repairs, replacements, and maintenance of	10,058	-	-	10,058	-	-	-	10,058
Salaries of Superintendent, Retinue, and Clerks: share of	-	-	-	-	-	-	-	-
" Master Attendant, Assistant to Master Attendant, Harbour Master, Master Sailmaker, Master Rigger, Master Ropemaker, Foreman of Rope-makers, Foreman of Line Spinners, Layer in the Rope Yard, and Clerks: share of	-	-	-	-	-	-	-	-
" Master Shipwright, Chief Engineer, &c., Assistant Master Shipwright, Timber Inspector, Boat-swain, Master Smith, Foremen, Converter of Timber, Inspectors, and Clerks: share of	10,374	-	-	10,374	-	-	-	10,374
" Inspector of Machinery, Assistant Engineer, Conductor of Metal Mills, Assistant Inspector of Steam Machinery, Foremen, Engineer and Millwright, and Clerks	-	-	-	-	-	-	-	-
" Foremen of Storehouses, and Clerks: share of	-	-	-	-	-	-	-	-
" Accountant, Inspector of Stores, and Clerks: share of	-	-	-	-	-	-	-	-
" Cashier, Timekeeper, and Clerks: share of	-	-	-	-	-	-	-	-

CHATHAM DOCKYARD.—No. 5—continued.

DETAILED ACCOUNT of Dockyard Charges incidental to Ship Building, Equipping, &c.—continued.

DETAILED HEAD OF CHARGE.	DEBITS.				CREDITS.			Net Amount Chargeable.
	Payments for Salaries, Rents, Contingencies, and other Charges.	Wages.	Materials Issued.	TOTAL.	Materials Returned.	Expense of Shipping Stores to other Yards, and other Credits.	TOTAL.	
	£.	£.	£.	£.	£.	£.	£.	£.
Addition of 7 per cent. to the foregoing salaries, on account of the prospect of pensions on retirement to those dockyard officers who are entitled to the same	726	—	—	726	—	—	—	726
Rents, rates, taxes, and water	194	—	—	194	—	—	—	194
Lighting with Gas	1,000	—	—	1,000	—	—	—	1,000
Contingencies	764	—	—	764	—	—	—	764
Wages, police force: share of	3,770	—	—	3,770	—	—	—	3,770
Addition of 7 per cent. to the wages of established workmen, on account of the prospect of pensions on their retirement	6,593	—	—	6,593	—	—	—	6,593
TOTAL, Incidental and Establishment Charges, distributable <i>pro ratâ</i> on Wages, being at the rate of 66·47 per cent.	£. 44,227	20,987	32,203	97,417	3,173	—	3,173	94,244
Landing, surveying, receiving, depositing, and issuing timber	—	3,723	320	4,043	28	—	28	4,015
Landing, surveying, receiving, depositing, and issuing stores	—	11,240	1,439	12,679	327	—	327	12,352
Continuous survey and survey valuation of stock	—	303	6	309	—	—	—	309
Shipping off timber and stores to other yards at home and abroad (including the cost of packing cases and casks <i>only</i> when new, and <i>only</i> at the yards shipping the stores)	—	1,103	249	1,352	20	—	20	1,332
Preservation of timber, boats, and other stores	—	538	98	636	—	—	—	636
Wages of crews of sailing lighters, sheer hulks, and small craft when not employed on services provided for under other specific heads in these Accounts	—	726	—	726	—	—	—	726
Other miscellaneous charges	—	293	16	309	—	—	—	309
Freight and sundry expenses connected with naval stores	373	—	—	373	—	—	—	373
Expenses incurred at other yards, &c., shipping stores to Chatham	1,832	—	—	1,832	—	—	—	1,832
Cost of manufactured produce in excess of Rate Book value	1,580	—	—	1,580	—	—	—	1,580
Cost of manufactured produce less than Rate Book value	—	—	—	—	—	12,126	12,126	12,126
Expenses incurred at Chatham shipping off stores to other yards	—	—	—	—	—	1,332	1,332	1,332
TOTAL, Incidental and Establishment Charges, distributable <i>pro ratâ</i> on Materials, being at the rate of 2·90 per cent.	£. 3,785	17,926	2,128	23,839	375	13,458	13,833	10,006
Petty stores for steam and sailing ships and vessels in the reserves, distributable <i>pro ratâ</i> to tonnage of ships in the reserves	—	—	449	449	158	—	158	291
TOTAL	£. 48,012	98,913	34,780	121,705	3,706	13,458	17,164	104,541

DISTRIBUTION OF THE ABOVE.

	Amount.	Amount on which Charged.		Rate per Cent.
	£.	Page.	£.	£.
Amount distributable <i>pro ratâ</i> on Labour, charged direct to Ships	86,178	125	129,637	66·47
Amount on Materials issued to and returned from Ships	9,396	125	323,072	2·90
Amount on Tonnage of Ships in the Reserves	291		—	
TOTAL due to Ships	£. 95,865			
Amount on Labour charged direct to other Branches of the Naval Service, other Departments of Government, Private Individuals, &c.	8,066	166	12,134	66·47
Amount on Materials issued to, and returned from, other Branches of the Naval Service, other Departments of Government, Private Individuals, &c.	610	166	20,970	2·90
TOTAL due to other Branches of the Naval Service, other Departments of Government, &c.	£. 8,676			
GRAND TOTAL, Incidental and Establishment Charges	£. 104,541			

CHATHAM DOCKYARD.

No. 6.

HARBOUR AND DOCKYARD NATIONAL CHARGES.

Cr.

Dr.

Dr.		£.	£.	Cr.	
To INCOME ACCOUNT (p. 123) :—				By INCOME ACCOUNT (p. 122) :—	
For Amounts shown against the Services in the Detailed Account annexed, viz. :—				For Value of Materials returned into Store	
Salaries, &c.	8,587				2,322
Wages to Artificers, &c., including Wages, Yard Service Afloat, and the Hire of Teams	11,357				
Wages, Police Force	3,771				
Experimental Purposes (for Details, see p. 694)	2,144				
Temporary Superintendence, &c. of Engineering and Architectural Works and Repairs	2,514				
Estimated Current Charge for Deferred Annuities, on account of Pensions to Dockyard Officers	601				27,874
			28,974		
To CAPITAL ACCOUNT (p. 124) :				By BALANCE ACCOUNT (p. 170) :—	
For Value of Gross Issues of Stores, as per Detailed Account			1,222	For Net Charge for the Year, being Proportion of Incidental and Establishment Charges not considered applicable to Ships	
		£.	30,196		30,196

CHATHAM DOCKYARD.—No. 6—continued.

DETAILED ACCOUNT of HARBOUR and DOCKYARD NATIONAL CHARGES.

DETAILED HEAD OF CHARGE.	DEBITS.				CREDITS.	Net Amount Chargeable.
	Payments for Salaries, Rents, Contingencies, and other Charges.	Wages.	Materials Issued.	TOTAL.	Materials Returned.	
	£.	£.	£.	£.	£.	£.
Harbour and Dockyard Gear: viz., cables, pendants, chains, swivels, bridles, and buoys - - - - -	-	668	443	1,111	2,231	1,120
Fire engines, buckets, hoses, and other gear connected therewith: share of - - - - -	-	37	72	109	11	98
Dockyard chapel, chemical lecture room and laboratory, school for apprentices, police station and military guard room (labour and petty stores) - - - - -	-	174	380	554	1	553
Experimental services, chargeable to Vote 10, Sect. II., of Navy Estimates (for Details, see p. 694) - - -	2,144	-	-	2,144	-	2,144
Wages of all single stationed men and boats' crews, to include draughtsmen (except those in the mould loft), writers (except writers at ropery, and manufacturing writers at other Shops, whose pay should be charged thereto), Acting officers on day pay, Signalmen, Messengers, Postmen, Labourers, and Boys employed on general duties, not chargeable to any other detailed head of service; also petty stores used in connection with services on which these men are employed, but not including any expenses which could be charged to any specific ship or service: share of	-	3,376	259	3,635	26	3,609
Allowances for scholarships, and wages, allowances, &c. to students at Greenwich - - - - -	-	181	1	182	-	182
Holidays - - - - -	-	3,206	-	3,206	-	3,206
Preliminary arrangements for the sale of Surplus Timber, &c.	-	33	-	33	-	33
Preliminary arrangements for sale of Surplus Stores - -	-	50	-	50	-	50
Wages of crews of steam tugs and mooring lighters when not employed on services provided for under other specific heads in these Accounts - - - - -	-	1,556	-	1,556	-	1,556
Other miscellaneous charges - - - - -	-	2,076	67	2,143	53	2,090
Salaries of Superintendent, Retinue, and Clerks: share of -	8,587	-	-	8,587	-	8,587
" Master Attendant, Assistant to Master Attendant, Harbour Master, Master Sailmaker, Master Rigger, Master Ropemaker, Foreman of Rope-makers, Foreman of Line Spinners, Layer in the Rope Yard, and Clerks: share of - -						
" Master Shipwright, Chief Engineer, &c., Assistant Master Shipwright, Boatswain, Master Smith, Foremen, Converter of Timber, Inspectors, and Clerks: share of - - - - -						
" Foremen of Storehouses, and Clerks: share of						
" Accountant, Inspector of Stores, and Clerks: share of - - - - -						
" Cashier, Timekeeper, and Clerks: share of - -						
" Superintending Civil Engineer, Clerk of Works, Clerk and Accountant, Clerk and Draughtsman, and Foreman of Works - - - - -						
" Surgeons and Assistant Surgeons - - -						
" Chaplain, Schoolmaster, &c. - - - - -						
Addition of 7 per cent. to the foregoing salaries, on account of the prospect of pensions on retirement to those dockyard officers who are entitled to the same - - -	601	-	-	601	-	601
Wages, police: share of - - - - -	3,771	-	-	3,771	-	3,771
Temporary Superintendence, &c. of Engineering and Architectural Works and Repairs - - - - -	2,514	-	-	2,514	-	2,514
TOTAL Harbour and Dockyard National Charges - £.	17,617	11,357	1,222	30,196	2,322	27,874

No. 7.

DEPRECIATION AND APPRECIATION ACCOUNT.

Cr.

Dr.

To CAPITAL ACCOUNT (p. 124):—		By INCOME ACCOUNT (p. 122):—	
£.	£.	£.	£.
For Value of Stores drawn from Stock on Survey:		For Value of Stores returned to Stock after Survey:	
Timber - - - - -	4,296	Timber - - - - -	1,688
Stores - - - - -	14,416	Stores - - - - -	4,362
For Decrease in the Value of Stock on Annual Re-valuation:		For Increase in the Value of Stock on Annual Re-valuation:	
Timber - - - - -	—	Timber - - - - -	—
Stores - - - - -	40,020	Stores - - - - -	37,567
For Approximate Value of Stock found Deficient on Continuous Survey:		For Approximate Value of Stock found Surplus on Continuous Survey:	
Timber - - - - -	10,234	Timber - - - - -	10,924
Stores - - - - -	776	Stores - - - - -	1,508
For Value of Stores drawn from Stock on Sale:		For Value of Lost Articles recovered by the Police, &c.	15
Timber - - - - -	5,543		56,064
Stores - - - - -	2,566		
	77,851		
		For Proceeds of Sale (Cash not shown in Stock Valuation Account):	
		Timber - - - - -	4,534
		Stores - - - - -	2,751
			7,285
		By BALANCE ACCOUNT (p. 170):—	
		For Net Charge on Account of—	
		Loss by Survey's:	£.
		Timber - - - - -	1,918
		Stores - - - - -	11,775
		Loss by Sales:	
		Timber - - - - -	1,009
		Stores - - - - -	—
		Loss in the Value of Plant (Buildings)	22,220
	22,220		36,922
For Deterioration in the Value of Plant (Buildings)		Less Gain by Sales of Stores	183
		" " by Value of Articles recovered by Police, &c.	15
			200
			36,722
	£. 100,071		£. 100,071

CHATHAM DOCKYARD.

No. 8.

OTHER THAN DOCKYARD SERVICES—

Dr.	Supplies to, or Work for, other Branches of the Naval Service, other Departments of Government, Foreign Governments, Private Individuals, &c.	Cr.
<div> <div> <p>To INCOME ACCOUNT (p. 123):—</p> <p>For Expenditure during the Year, viz. :—</p> <p>Wages to Artificers, &c., not chargeable to Vote 6</p> </div> <div> <p>£.</p> <p>7,350</p> </div> </div>		
<div> <div> <p>To CAPITAL ACCOUNT (p. 124):—</p> <p>For Value of Gross Issues of Stores, as per Detailed Account</p> </div> <div> <p>£.</p> <p>23,053</p> </div> </div>		
<div> <div> <p>To DOCKYARD CHARGES INCIDENTAL to SHIP BUILDING, EQUIPPING, &c. (p. 159):—</p> <p>For Proportion of Incidental and Establishment Charges on Materials issued to, and returned from, and on Labour employed on account of other Branches of the Naval Service, other Departments of Government, Private Individuals, &c.</p> </div> <div> <p>£.</p> <p>8,676</p> </div> </div>		
<div> <div> <p>By INCOME ACCOUNT (p. 122):—</p> <p>For Value of Materials returned into Store</p> </div> <div> <p>£.</p> <p>5,219</p> </div> </div>		<div> <p>£.</p> <p>33,860</p> </div>
<div> <div> <p>By BALANCE ACCOUNT (p. 170) —</p> <p>For Net Charges to Services, for the Financial Year 1874-75, not pertaining to Dockyards</p> </div> <div> <p>£.</p> <p>39,079</p> </div> </div>		<div> <p>£.</p> <p>39,079</p> </div>

CHATHAM DOCKYARD.—No. 8—continued.

DETAILED ACCOUNT of other than DOCKYARD SERVICES—Supplies to, or Work for, other Branches of the Naval Service, other Departments of Government, Foreign Governments, Private Individuals, &c.

DESCRIPTION OF SERVICE.	DEBITS.				CREDITS.	Net Charge to Naval Services not pertaining to Dockyards.
	Wages.	Materials Issued.	Per-centage and other Charges on Supplies, for use of Plant, &c. and other Charges.	TOTAL.	Materials Returned.	
	£.	£.	£.	£.	£.	£.
Furniture for the residence of the Superintendent or other officer of the Dockyard and other Naval Establishments upon which Per-centage is paid - - - - -	-	1,478	-	1,478	902	576
Plate, Linen, &c., supplied to Flag Officers in command, and to Officers in command of Her Majesty's Ships, on condition of its value being repaid - - - - -	-	459	-	459	-	459
New Machinery, &c. for Workshops and the general use of the Yard (Vote No. 11)—Dockyard or Factory Labour and Materials, when not chargeable to Contractors - - - - -	-	5,683	-	5,683	1,980	3,703
New Buildings, &c. (Vote No. 11)—Dockyard or Factory Labour and Materials, when not chargeable to Contractors - - - - -	-	4,419	-	4,419	1,530	2,889
Value of Stores supplied to, and Labour employed on account of, "Other Branches of the Naval Services," not chargeable to the Votes for Dockyard Services - - - - -	6,572	2,587	-	9,159	328	8,831
Value of Stores supplied to, and Labour employed on account of, "Other Departments of Government" - - - - -	185	6,392	-	6,577	168	6,409
Value of Stores supplied to, and Labour employed on account of, "Foreign Governments" - - - - -	41	318	-	359	1	358
Value of Stores supplied to, and Labour employed on account of, "Private Individuals and Contractors for Vessels and New Works" - - - - -	552	1,717	-	2,269	310	1,959
Proportion of Incidental and Establishment Charges on Materials issued to, and returned from, and on Labour employed on account of other Branches of the Naval Service, other Departments of Government, Private Individuals, &c. - - - - -	-	-	8,676	8,676	-	8,676
£.	7,350	23,053	8,676	39,079	5,219	33,860

	Labour.	Materials.		
		Issued.	Returned.	Total (Issued and Returned).
	£.	£.	£.	£.
Total Amounts charged direct to other than Dockyard Services - - - - -	7,350	23,053	5,219	28,272
Abate.—The Cost of Repairs, Replacements, and Maintenance of Docks, Slips, &c., and of Yard Machinery, &c. (Issues and Returns, excluding Labour) - - - - -	-	5,408	1,883	7,291
Abate.—The Value of Coals charged under the various Items of other than Dockyard Services - - - - -	-	11	-	11
Abate.—The Wages of Men superintending Ships Building by Contract, &c. - - - - -	1,449	-	-	-
Abate.—The Wages of Men employed on the Delivery of Surplus Timber, &c., to Contractors - - - - -	55	-	-	-
	5,846	17,634	3,336	20,970
Add.—The Wages of Men employed on New Buildings and New Machinery for the Dockyard or Factory - - - - -	5,415	-	-	-
Add.—The Wages of Men employed on Experimental Services - - - - -	873	-	-	-
TOTAL Amounts upon which Incidental and Establishment Charges are distributed (see p. 161) - - - - -	£. 12,134	17,634	3,336	20,970

CHATHAM DOCKYARD.

No. 9.

CONVERSIONS.

CONVERSIONS.		Dr.	Cr.
To INCOME ACCOUNT (p. 123) :— For Expenditure during the Year, viz. :— Wages to Artificers, &c., including Hire of Teams, &c.		£. 25,744	£. 349,394
To CAPITAL ACCOUNT (p. 124) :— For Value of Gross Issues of Stores		£. 374,260	£. 61,156
To DOCKYARD CHARGES INCIDENTAL TO SHIP BUILDING, EQUIPPING, &c. (p. 159) :— For Excess of Value at which Manufactured Produce has been returned to Stock for subsequent Issue over the Cost thereof		£. 12,126	£. 1,580
		£. 412,130	£. 410,550
By INCOME ACCOUNT (p. 122) :— For Value of Returns of Manufactured Produce For Value of unconsumed Materials and Work in hand at the end of the Year			£. 410,550
By DOCKYARD CHARGES INCIDENTAL TO SHIP BUILDING, EQUIPPING, &c. (p. 158) :— For Excess of Cost of Manufactured Produce over the Value at which it has been charged to Stock for subsequent Issue			£. 1,580
			£. 412,130

CHATHAM DOCKYARD.—No. 9—continued.

DETAILED ACCOUNT of CONVERSIONS.

NAME OF CONVERSION ACCOUNT.	DEBITS.			CREDITS.		
	Wages.	Materials Issued.	Excess of Value at which Produce is Returned over the Actual Cost.	Value of Manufactured Produce.	Value of other Returns.	Excess of Actual Cost over Value at which Produce is Returned.
	£.	£.	£.	£.	£.	£.
Saw Mills - - - - -	467	9,648	-	8,586	930	599
Ropery - - - - -	7,798	105,676	-	109,399	3,467	608
Rigging House - - - - -	899	5,684	-	5,919	645	19
Sail Loft - - - - -	684	3,628	-	3,789	461	62
Colour Loft - - - - -	86	638	117	816	25	-
Smithery - - - - -	1,285	4,195	155	5,182	453	-
Steam Hammer Shop - - - - -	38	802	30	291	579	-
Capstan and Pump House - - - - -	8	39	-	38	9	-
Mast House - - - - -	299	890	-	528	626	35
Boat Houses - - - - -	461	1,845	-	1,670	633	3
Blockmakers' Shop - - - - -	33	197	30	181	79	-
Oarmakers' Shop - - - - -	506	4,179	122	4,471	336	-
Oakum and Pitch-heating Houses, &c. - - - - -	14	143	-	153	-	4
Joiners' Shop - - - - -	676	1,118	-	1,639	149	6
Wheelwrights' Shop - - - - -	3	5	-	8	-	-
Millwrights' Shop - - - - -	508	2,138	84	2,053	677	-
Metal Mill - - - - -	8,665	206,373	10,960	178,253	47,745	-
Hosemakers' Shop - - - - -	87	1,516	66	1,666	3	-
Plumbers' Shop - - - - -	191	664	5	802	58	-
Painters' Shop - - - - -	41	1,063	8	1,112	-	-
Lead Mill - - - - -	318	9,395	-	8,548	1,159	6
Galvanizing Shop - - - - -	15	1,577	13	413	1,192	-
Iron Shipbuilding Shop - - - - -	1	4	-	2	3	-
Tanning Shop - - - - -	26	490	-	467	41	8
Iron Foundry - - - - -	1,457	2,058	-	3,095	190	230
Brass Foundry - - - - -	1,142	10,247	536	10,232	1,693	-
Fitting Shop - - - - -	36	48	-	81	3	-
£.	25,744	374,260	12,126	349,394	61,156	1,580
	Dr. - £. 412,130.			Cr. - £. 412,130.		

Note.—For Details of Manufactures at each Shop, see Manufacturing Accounts for 1874-75 (Parliamentary Paper, No. 182, Session 1876).

CHATHAM DOCKYARD.

No. 10.

OTHER YARDS.

Cr.

Dr.

TO CAPITAL ACCOUNT (p. 124):—

For Value of Gross Issues of Stores, per Bills of Lading,
to be accounted for at the following Yards, viz. :—

Deptford	-	-	-	-	-	-
Sheerness	-	-	-	-	-	-
Portsmouth	-	-	-	-	-	-
Devonport	-	-	-	-	-	-
Pembroke	-	-	-	-	-	-
Foreign Yards	-	-	-	-	-	-

127,056

TO DOCKYARD CHARGES INCIDENTAL TO SHIP
BUILDING, EQUIPPING, &c. (p. 159):—

For Cost of Shipment of Stores to the following Yards, to be there accounted for, viz. :—

Deptford	-	-	-	-	-	-	396
Sheerness	-	-	-	-	-	-	364
Portsmouth	-	-	-	-	-	-	282
Devonport	-	-	-	-	-	-	226
Pembroke	-	-	-	-	-	-	63
Foreign Yards	-	-	-	-	-	-	1

1

1,332

By BALANCE ACCOUNT (p. 170):—

[illegible]128,388

BY INCOME ACCOUNT (p. 122):—

For Value of Stores received, per Bills of Lading, from—

Deptford	-	-	-	-	-	£.20,965	9,108
Sheerness	-	-	-	-	-	11,220	32,185
Portsmouth	-	-	-	-	-	-	19,435
Devonport	-	-	-	-	-	-	27,718
Pembroke	-	-	-	-	-	-	2,028
Foreign Yards	-	-	-	-	-	-	3,240

93,714

By DOCKYARD CHARGES INCIDENTAL TO SHIP BUILDING, EQUIPPING, &c. (p. 158):—

For Proportion of the Cost of Shipment, at the following
Yards, of Stores received at Chatham Yard, viz. :—

Deptford	-	-	-	-	-	-	268
Sheerness	-	-	-	-	-	-	308
Portsmouth	-	-	-	-	-	-	658
Devonport	-	-	-	-	-	-	542
Pembroke	-	-	-	-	-	-	30
Foreign Yards	-	-	-	-	-	-	26

1,832

95,546

32,812

28,388

No. 11.

BALANCE ACCOUNT.

Cr.

Dr.

Dr.	£.	£.	Cr.
To INCOME ACCOUNT (p. 123) :— For adjusting Entries on account of Value of Stores taken on charge by Storekeeper prior to this Financial Year, but paid for in this Year - - - - - For Payments to the Exchequer of Proceeds of Sale of Old Stores, &c. - - - - -	1,171 7,285	By INCOME ACCOUNT (pp. 120 and 122) :— For Expenditure, per Statement of the Surpluses and Deficits, Votes 6, 10, and 11 - - - - - Vote 16.—For Estimated Current Charge for Deferred Annuities - - - - - For adjusting Entry, principally consisting of the Value of Stores paid for by other Departments, &c., and consequently not appearing as a final Financial Charge to Vote 10, Sect. I. For Amounts for Services other than those pertaining to Dockyards - - - - - For Stores taken on charge by Storekeeper, and debited to the Stock up to the last day of the Financial Year, but not paid for in the Year - - - - -	770,274 7,920 13,103 7,350 1,324
To CAPITAL ACCOUNT (p. 124) :— For Coals issued to Ships for Steaming Purposes, and Wages for Coaling - - - - - For Value of Materials issued to Contractors for Remanufacture - - - - -	1,601 856		799,971
For Balance carried to next Year's Account, viz. :— Value of Land - - - - - Value of Buildings - - - - - Value of Machinery - - - - - Value of Stock - - - - -	253,330 2,199,705 254,851 658,563	By CAPITAL ACCOUNT (p. 124) :— For Balance from last Year, as per Detailed Account, viz. :— Value of Land - - - - - Value of Buildings - - - - - Value of Machinery - - - - - Value of Stock - - - - -	Page of Detailed Statement. 676 676 676 684 253,330 2,146,865 245,545 579,029
To SHIPS (p. 125) :— For Net Expenditure charged to Ships in the Year - - - - -	-		3,224,769
To HARBOUR and DOCKYARD NATIONAL CHARGES (p. 162) :— For Net Expenditure in the Year - - - - -	-		
To DEPRECIATION and APPRECIATION ACCOUNT (p. 164) :— For Net Charge - - - - -	-		
To OTHER THAN DOCKYARD SERVICES (p. 167) :— For Net Charge to Services not pertaining to Dockyards - - - - -	-		
To OTHER YARDS (p. 169) :— For Value of Stores issued to other Yards, &c., including Cost of Shipment - - - - -	-		
	£.	£.	£.
	4,120,286	95,546	4,120,286

CHATHAM DOCKYARD.

ADDENDUM TO THE DETAILED SHIP ACCOUNT.

EXPENDITURE incurred on the undermentioned Vessels and not included in the Detailed Ship Account of the Yard, pages 126 to 157, the Expense being chargeable to Naval Votes other than 6 and 10, Sect. I., or to "Other Departments of Government."

NAME OF SHIP.	Number of Guns.	Horse Power.	Tonnage.	PERIODS within which the Expense was incurred.		Detailed Head of Charge.	Value of Materials Issued.	Wages.	Gross Total.	Value of Materials Returned.	Net Total.	REMARKS.
				From	To							
CHARGES against VOTE No. 5, HYDROGRAPHIC DEPARTMENT—ACCOUNT No. 88, SECT. B, ITEM 6:												
ABOUKIR - - - -	-	400 (4,532)	3,091 (4,382)	-	On the 5th Dec. 1874	Rigging and Stores	4	-	4	-	4	Sounding gear supplied.
SHEARWATER - - - -	3	150 (532)	669 (913)	-	On the 11th Dec. 1874	Rigging and Stores	22	-	22	-	22	- - ditto.
CHARGES against VOTE No. 10, SECT. 2 D., EXPERIMENTAL SERVICES— ACCOUNT No. 88, SECT. A., ITEM 20:												
OVERON - - - -	-	-	649	23 Mar. 1874	8 Aug. 1874	Hull - - - -	988	620	1,608	118	1,490	{ Fitting additional bulkheads in engine- room; fitting and fixing surface con- denser and apparatus; slinging and ballasting the ship.
RALEIGH - - - -	-	800 (5,639)	3,215 (4,780)	6 April "	7 May "	Rigging and Stores	-	7	7	-	7	
CHARGES against VOTE No. 11—ACCOUNT No. 88, SECT. B, ITEM 5:												
STEAM DREDGER, No. 15 - - - -	-	-	285	13 July 1874	28 Nov. 1874	Hull - - - -	-	16	16	-	16	Docked to clear bottom, and repairs.
STEAM DREDGER, No. 51 - - - -	-	-	233	{ 26 Oct. "	23 Jan. 1875	Hull - - - -	48	25	73	3	70	} Docking and general repair.
	-	-	-		30 Nov. "	5 Dec. 1874	Engines and Engineers' Fittings.	-	1	1	-	
CHARGES against VOTE No. 14 W., COUNTERMINING EXPERIMENTS—AC- COUNT No. 88, SECT. B., ITEM 6:												
VERNON - - - -	-	-	2,082 (2,388)	14 Sept. 1874	19 Sept. 1874	Rigging and Stores	17	-	17	-	17	Rigging and stores supplied.
CHARGES against VOTE No. 14 Z, MISCELLANEOUS SERVICES—ACCOUNT No. 88, SECT. B., ITEM C:												
EMMY (Liberian Government) - - - -	-	-	-	23 Mar. 1874	16 April 1874	Hull - - - -	3	1	4	-	4	Preparing fittings for 12-pounder howitzer.
CHARGES against the COMMISSIONERS OF IRISH LIGHTS—ACCOUNT No. 88, SECT. 15, ITEM 7:												
JASEUR - - - -	-	80 (334)	427 (570)	2 Nov. 1874	14 Nov. 1874	Hull - - - -	15	30	45	2	43	Docking, &c., for survey. This vessel was sold to Commissioners of Irish Lights in December 1874.

CHATHAM DOCKYARD.—ADDENDUM TO THE DETAILED SHIP ACCOUNT—continued.

EXPENDITURE incurred on the undermentioned Vessels and not included in the Detailed Ship Account of the Yard, pages 124 to 157, the Expense being chargeable to Naval Votes other than 6 and 10, Sect. I., or to "Other Departments of Government."

NAME OF SHIP.	Number of Guns.	Horse Power.	Tonnage.	PERIODS within which the Expense was incurred.		Detailed Head of Charge.	Value of Materials Issued.	Wages.	Gross Total.	Value of Materials Returned.	Net Total.	REMARKS.
				From	To							
CHARGES against the WAR DEPARTMENT—ACCOUNT No. 88, SECT. B., ITEM 7:												
AUDACIOUS	14	800 (4,021)	3,774 (6,034)	17 Aug. 1874	22 Aug. 1874	Hull	—	7	7	—	7	Altering gun gear.
Hood	—	Late 600 (—)	3,308 (3,365)	27 July "	6 Jan. 1875	Hull	181	52	233	164	69	Fitting for a barrack ship for torpedo company of the Royal Engineers.
LEONIDAS	—	—	1,067 (1,447)	20 July "	20 Mar. "	Hull	1	9	10	—	10	Fitting for Gun Cotton Depot, at Upnor.
MINER	—	—	—	1 Feb. 1875	20 Mar. "	Hull	—	23	23	—	23	Superintending, building, and inspecting boilers.
				1 Feb. "	6 Feb. "	Boilers and Engineers' Fittings.	—	1	1	—	1	
STEAM LAUNCH, No. 51	—	6	22	20 April 1874	12 Mar. "	{ Hull	12	7	19	2	17	Casual repairs and stores supplied, lent to Royal Engineers at Chatham.
						{ Engineers' Stores	38	—	38	—	38	
VOLAGE	—	—	516 (742)	8 June 1874	12 Sept. 1874	Hull	—	5	5	—	5	Watering vessel.
CHARGES against the GERMAN GOVERNMENT—ACCOUNT No. 88, SECT. B., ITEM 8:												
GAZELLE	—	—	—	23 April 1874	26 Aug. 1874	Hull	318	41	359	1	358	Making sounding gear.
CHARGES against PRIVATE INDIVIDUALS—ACCOUNT No. 88, SECT. B., ITEM 9.												
EURYDICE (Hooper's Telegraph Company).	—	—	921 (1,014)	4 May 1874	9 May 1874	Hull	—	3	3	—	3	Getting out of and into basin at this yard.
ICARUS (the Thames Conservancy Commissioners).	3	150 (247)	580 (564)	23 Mar. "	20 Nov. "	Hull	2	35	37	—	37	Raising a sunken ship in the Thames.
KAISER (Samuda Brothers)	—	—	—	4 Jan. 1875	13 Feb. 1875	Hull	225	106	331	192	139	Docking vessel.
ROYALIST (the Thames Conservancy Commissioners).	3	150 (627)	669 (943)	23 Mar. 1874	20 Mar. 1874	Hull	2	34	36	—	36	Raising a sunken ship in the Thames.

SHEERNESS DOCKYARD AND FACTORY.

I N D E X.

	PAGE
Statement connecting Navy Estimates and Expense Accounts - - -	231
General Balance Sheet - - - - - No. 1 - -	176
Income Account - - - - - No. 2 - -	178
Capital Account - - - - - No. 3 - -	182
Ships Account - - - - - No. 4 - -	183
Account of Dockyard Charges incidental to Ship Building, Equipping, &c. - - - - - No. 5 - -	214
Harbour and Dockyard National Charges Account - - No. 6 - -	222
Depreciation and Appreciation Account - - - No. 7 - -	224
Account of other than Dockyard Services - - - No. 8 - -	225
Conversions Account - - - - - No. 9 - -	227
Account of Supplies to, and Receipts from, other Yards - No. 10 - -	229
Balance Account - - - - - No. 11 - -	230
Addendum to Ship Account - - - - - - - -	231

SHEERNESS DOCKYARD.

STATEMENT showing the Total Amounts granted and the Total Amounts expended for the NAVY under each VOTE as they appear in the published RETABULATION of the STATEMENT of the SURPLUSES and DEFICITS on the NAVY GRANTS, No. 183 of Session 1876; also, Portion of Division 1 appertaining to SHEERNESS YARD (pp. 592 to 597 of REPORT).

Number of Vote.	TITLE OF VOTE.	Division 1. NAVAL YARDS.				Number of Vote.	Portion of Division 1 appertaining to SHEERNESS.			
		Expenditure.		Grant.			Expenditure.		Grant.	
		Page in Retabulation of Navy Statement of the Surpluses and Deficits.	£.	Page in Retabulation of Navy Statement of the Surpluses and Deficits.	£.		Page in Retabulation of Navy Statement of the Surpluses and Deficits.	£.	Page in Retabulation of Navy Statement of the Surpluses and Deficits.	£.
6	DOCKYARDS AND NAVAL YARDS AT HOME AND ABROAD - - - - - }	14	1,253,610	14	1,253,326	6	14	131,429	14	132,174
10	NAVAL STORES FOR THE BUILDING, REPAIR, AND OUTFIT OF THE FLEET AND COAST GUARD, STEAM MACHINERY, AND SHIPS BUILT BY CONTRACT :									
	SECT. I.—NAVAL STORES - - - - - }	14	1,378,383	14	1,175,159	10, Sect. I.	14	62,379	14	67,850
	SECT. II.—STEAM MACHINERY AND SHIPS BUILT BY CONTRACT - - - - - }	14	823,657	14	828,679	10, Sect. II.	14	25,627	14	24,176
11	NEW WORKS, BUILDINGS, MACHINERY, AND REPAIRS - - - - - }	14	502,671	14	579,209	11	14	13,196	14	19,804
	TOTAL VOTES, 6, 10, AND 11 - - -	14	3,958,321	14	3,836,373	-	14	232,631	14	244,004
16	SECT. II.—CIVIL PENSIONS AND ALLOWANCES -	14	167,125	14	162,899	16, Sect. II.	-	** 4,942	-	† 4,942
	TOTAL Division 1, NAVAL YARDS - - £.		4,125,446	14	3,999,272					
TOTAL Portion of Division 1, appertaining to SHEERNESS - - - £.								237,573	-	248,946

** To meet the Estimated Current Charge for Deferred Annuities, equal to 7 per cent. on the salaries to Dockyard Officers, and on the total wages paid in the year to Established Workmen, on account of the prospect of Pensions on their Retirement; see Paper from the Actuary of the National Debt, page viii* of Parliamentary Paper, No. 454, of Session 1867.

In the Retabulation of the Statement of the Surpluses and Deficits, the whole amount against Vote 16, Sect. II., chargeable to Division 1, "Naval Yards," is shown under Column "Other than Yards." In this Account, however, the amount for Sheerness has been calculated in accordance with the principle laid down by the Actuary of the National Debt (see Note above).

† The amounts inserted in the "Grant" columns for the several Yards are the same as the calculated Expenditure.

Supplementary Estimates are included in the amounts appearing in the "Grant" columns.

H. WALKER,
Accountant General of the Navy,
and Comptroller of Navy Pay.

No. 1.

E X P E N S E A C C O U N T S .

SHEERNESS DOCKYARD AND FACTORY.

ANNUAL BALANCE SHEET of SHIP-BUILDING and other DOCKYARD
TRANSACTIONS in Financial Year 1874-75.

No. EXPENSE

SHEERNESS DOCKYARD

ANNUAL BALANCE SHEET of SHIP-BUILDING and

Dr.

For Details, see separate

To Amounts paid, as per Statement of Surpluses and Deficits, under the following Votes, and shown in the Income Account, viz. :—	Page.	£.
VOTE No. 6 :		
Salaries, &c. - - - - -	178	15,764
Rents, Rates, Taxes, and Water - - - - -	178	173
Lighting with Gas - - - - -	178	919
Contingencies - - - - -	178	602
Wages to Artificers, &c. - - - - -	178	104,987
Wages, Yard Service Afloat - - - - -	178	5,265
Hire of Teams - - - - -	178	1,215
Wages, Police Force - - - - -	178	2,504
Extra Pay to Artificers, &c. of the Fleet - - - - -	178	—
TOTAL VOTE, No. 6 - - -	178	131,429
VOTE No. 10, Section I. :		
Naval Stores, &c. - - - - -	178	62,379
VOTE No. 10, Section II. :		
Steam Machinery, Experiments, &c. - - - - -	178	25,627
VOTE No. 11 :		
New Works, &c.—Buildings, Docks, &c. :		
Additions - - - - -	178	1,000
Repairs, Replacements, &c. - - - - -	178	6,278
Other New Works, &c., the Details of which are shown in the Income Account - - - - -	178	1,621
New Works, &c.—Machinery :		
Additions - - - - -	178	1,154
Repairs, Replacements, &c. - - - - -	178	3,143
TOTAL VOTES, Nos. 6, 10, and 11 (actual Money paid) - -	178	232,631
† VOTE No. 16. Estimated Amounts as charged to Ships and Services	178	4,942
TOTAL VOTES, Nos. 6, 10, 11, and Estimated Amount of } £. Vote 16, being Total Debit from Parliamentary Votes }	—	237,573
To Receipts from other Yards, including Cost of Shipment - - - - -	229	49,256
To adjusting Entry, principally consisting of the Value of Stores paid for by other Departments, &c., and consequently not appearing as a final Financial Charge to Vote 10, Sect. I. - - - - -	178	6,354
To Amounts for Services other than those pertaining to Dockyards - - - - -	180	6,879
To adjusting Entry on account of the Value of Materials taken on charge by the Storekeeper, and debited to Stock, up to the last day of the Financial Year, but not paid for in the Year - - - - -	180	1,507
To adjusting Entry on account of Payments made last Year out of Vote 10, Section II., for a set of Boilers for the "Barrosa" class received and taken on charge by the Storekeeper in this Year - - - - -	180	5,940
To Value of Land on 21st March 1874 - - - - -	676	4,525
To Value of Buildings on 21st March 1874 - - - - -	676	986,964
To Value of Machinery on 21st March 1874 - - - - -	676	81,545
To Value of Stock on 21st March 1874 - - - - -	684	355,831
TOTAL - - - £.		1,736,374

* The difference between this Amount and that shown in the Income Account, page 170, and the Balance Account, page 224, is caused through the value of Hemp, Canvas, &c., issued to other Departments, being in excess of that received and paid for in the Year. In the Income and Balance Accounts the Gross is shown, whereas the Amount appearing here is the Net Aggregate Amount.

† To meet the Estimated Current Charge for Deferred Annuities, equal to 7 per cent. on the Salaries to Dockyard Officers, and on the Total Wages paid in the Year to Established Workmen, on account of the prospect of Pensions on their Retirement; see Paper from the Actuary of the National Debt, page viii* of Parliamentary Paper, No. 454, of Session 1867.

1. A C C O U N T S. AND FACTORY.

other DOCKYARD TRANSACTIONS in Financial Year 1874-75.

Accounts (Nos. 2 to 11).

Cr.

	Page.	£.
By Expenditure under the following Heads, as per Detailed Ship Accounts, viz.:—		
Ships Building and Completing for Sea Service - - - -	216	110,534
*Maintaining Ships in Commission - - - - -	216	32,113
Maintaining, Repairing, &c. Ships in the Reserves - - -	217	77,730
Hulks Repairing, &c. - - - - -	217	2,700
Steam Tugs, Yard Craft, Coal Depôts, &c., Building, Fitting, Refitting, &c. - - - - -	217	4,859
*Ships and Vessels breaking up - - - - -	217	5,616
		222,320
By Coals and Wages for Coaling Steam Ships - - - - -	230	9,892
By Value of Materials issued to Contractors for Re-manufacture -	182	587
By Net Expenditure for Harbour and Dockyard National Services -	222	21,543
By Net Charge to Depreciation Account - - - - -	224	990
By Net Expenditure for Services other than those pertaining to Dockyards - - - - -	225	17,910
By Payments to Exchequer of Proceeds of Sale of Old Stores, &c. -	181	9,000
By Issues to other Yards, including Cost of Shipment - - -	229	51,208
By adjusting Entry for Stores paid for in the Year, but taken on Charge and included in Value of Stock in the preceding Year -	181	1,234
By Value of Land on 20th March 1875 - - - - -	676	4,525
By Value of Buildings on 20th March 1875 - - - - -	676	978,084
By Value of Machinery on 20th March 1875 - - - - -	676	82,699
By Value of Stock on 20th March 1875 - - - - -	684	336,382
TOTAL - - - £.		1,736,374

* The Figures in *Italics* show the Amount of Net Credits for Stores, &c., returned.

H. WALKER,
Accountant General of the Navy,
and Comptroller of Navy Pay.

SHEERNESS DOCKYARD

No.

INCOME

Dr.

To BALANCE ACCOUNT (p. 230):

For Amounts which have come in course of Payment, in the Financial Year, under the following Votes of the Naval Estimates appertaining to Sheerness Dockyard and Factory, as per Statement of Surpluses and Deficits, viz.:—

VOTE No. 6:

	£.	£.
Salaries, &c. - - - - -	15,764	
Rents, Rates, Taxes, and Water - - - - -	173	
Lighting with Gas - - - - -	919	
Contingencies - - - - -	602	
Wages to Artificers, &c. - - - - -	104,987	
Wages, Yard Service Afloat - - - - -	5,265	
Hire of Teams - - - - -	1,215	
Wages of Police Force - - - - -	2,504	
Extra Pay to Artificers, &c. of the Fleet - - - - -		131,429

VOTE No. 10, Section I.:

Timber, Masts, Deals, &c. - - - - -	9,791	
Metals and Metal Articles - - - - -	25,524	
Coals and other Fuel - - - - -	11,711	
Hemp, Canvas, &c. - - - - -	2,908	
Paint Materials, Oil, Pitch, &c. - - - - -	12,259	
Freight and Sundry Expenses connected with Naval Stores - - - - -	186	62,379

VOTE No. 10, Section II.:

Payments for Marine Engines, &c., delivered at Sheerness Yard, not included in the Stock Valuation Account, being charged in the Books at the Admiralty to the Ship for which the Machinery was purchased - - - - -	17,949	
Payments made for a Set of Boilers for "Juno" class, the value of which is included in the Stock Valuation Account - - - - -	6,215	
	24,164	
Payments on account of Experiments at Sheerness (for Details, <i>see</i> p. 694) - - - - -	226	
Payments for Breaking up H.M. Ships and Vessels - - - - -	1,237	25,627

VOTE No. 11:

New Works, &c.—Land, Buildings, Docks, &c., viz.:—

Additions - - - - -	1,000
Repairs, Replacements, &c. - - - - -	6,278

Dredging in connection with Dockyard - - - - -	£. 602
Contingencies, Works and Repairs - - - - -	729
Temporary Superintendence, &c. of Engineering and Architectural Works and Repairs - - - - -	290
	1,621

New Works—Machinery:

Additions - - - - -	1,154
Repairs, Replacements, &c. - - - - -	3,143

13,196

232,631

Vote 16.—For Estimated Current Charge for Deferred Annuities, equal to 7 per cent. on the Salaries to Dockyard Officers, and on the Total Wages paid in the Year to Established Workmen, on account of the prospect of Pensions on their Retirement, *see* Paper from the Actuary of the National Debt, page viii* of Parliamentary Paper, No. 454, of Session 1867 - - - - -

4,942

For adjusting Entry, principally consisting of the Value of Stores paid for by other Departments, &c., and consequently not appearing as a final Financial Charge to Vote 10, Sect. I. - - - - -

6,354

Carried forward - - - £. 243,927

AND FACTORY.

2.
ACCOUNT.

Cr.

	£.	£.
By SHIPS (p. 183):		
For Amount charged direct, viz.:—		
Wages to Artificers, &c., including Wages, Yard Service Afloat, and Hire of Teams - - - - -	70,362	
Payments for Marine Engines, &c., delivered at Sheerness Yard, not included in the Stock Valuation Account, being charged in the Books at the Admiralty to the Ship for which the Machinery was purchased - - -	17,949	
Payments for Breaking up H. M. Ships and Vessels - - - - -	1,237	
		89,548
By CAPITAL ACCOUNT (p. 182):		
For Value of Stores taken on Charge during the Year as received from Contractors - - - - -	80,975	
For - ditto - as returned from Ships - - - - -	38,224	
For - ditto - of Coals for Steaming purposes as returned from Ships -	214	
For - ditto - of Stores from Services in connection with Coaling H. M. Ships - - - - -	124	
For - ditto - as returned from Services incidental to Ship building, Equipping, &c. - - - - -	2,629	
For - ditto - as returned from Harbour and Dockyard National Services	630	
For - ditto - as returned from Depreciation and Appreciation of Stock, including difference consequent upon Annual Valuation -	51,859	
For Value of Stores taken on Charge during the Year, as received from other than Dockyard Services - - - - -	4,987	
For - ditto - from Conversions - - - - -	53,134	
For - ditto - from other Yards - - - - -	48,431	
		281,207
For Additions to Buildings, Docks, &c. - - - - -	1,000	
For Additions to Machinery - - - - -	1,154	
		2,154
By DOCKYARD CHARGES INCIDENTAL TO SHIP BUILDING, EQUIPPING, &c. (p. 214):		
For Amount charged on account of the undermentioned Services, viz.:—		
Salaries, &c. - - - - -	8,963	
Rents, Rates, Taxes, and Water - - - - -	173	
Lighting with Gas - - - - -	919	
Contingencies - - - - -	602	
Wages to Artificers, &c., including Wages, Yard Service Afloat, and Hire of Teams - - - - -	19,544	
Wages, Police Force - - - - -	1,252	
Freight and Sundry Expenses connected with Naval Stores - - - - -	186	
Estimated Current Charge for Deferred Annuities on account of Pensions to Dockyard Officers and Established Workmen - - - - -	4,524	
Repairs, Replacements, &c. of Buildings, Docks, &c. - - - - -	6,278	
Contingencies (Works and Repairs) - - - - -	729	
Dredging in connection with Dockyard - - - - -	602	
Repairs, Replacements, &c. of Machinery - - - - -	3,143	
		46,915
Carried forward - - - £.		419,824

Dr.

SHEERNESS DOCKYARD AND FACTORY.

		£.
Brought forward - - -		243,927
To BALANCE ACCOUNT (p. 230):		
For Amount paid by Cashiers of Her Majesty's Dockyards to Artificers, &c., hired for performance of Work other than that relating to Dockyard Services, and charged direct to those Services in the Admiralty Ledger, and not appearing as a Charge to Vote No. 6 in the Statement of the Surpluses and Deficits, viz.:—		
	£.	
Other Naval Votes not relating to Dockyard Services - - - - -	4,098	
Other Departments of Government - - - - -	2,439	
Private Individuals - - - - -	342	
		6,879
For adjusting entry on account of the Value of Materials taken on charge by the Storekeeper, and debited to Stock, up to the last day of the Financial Year, but not paid for in the Year - -		1,507
For adjusting entry on account of Payments made last year out of Vote 10, Sect. II., for a set of Boilers for the "Barrosa" class, received and taken on charge by the Storekeeper in this Year -		5,940
To SHIPS (p. 183):		
For Value of Materials returned into Store - - - - -		38,224
To CAPITAL ACCOUNT (p. 182):		
	£.	
For Value of Coals for Steaming purposes as returned from Ships - - - - -	214	
For Value of Stores returned from Services in connection with Coaling H. M. Ships -	124	
		338
To DOCKYARD CHARGES INCIDENTAL TO SHIP BUILDING, EQUIPPING, &c. (p. 219):		
For Value of Materials returned into Store - - - - -		2,629
To HARBOUR AND DOCKYARD NATIONAL CHARGES (p. 222):		
For Value of Materials returned into Store - - - - -		630
To DEPRECIATION AND APPRECIATION ACCOUNT (p. 224):		
	£.	£.
For Value of Stores returned to Stock after Survey:		
Timber - - - - -	1,295	
Stores - - - - -	5,472	
For Increase in the Value of Stock on Annual Re-valuation:		
Timber - - - - -	—	
Stores - - - - -	43,042	
For Approximate Value of Stock found Surplus on Continuous Survey:		
Timber - - - - -	11	
Stores - - - - -	1,962	
For Value of Lost Articles recovered by the Police, &c. - - -		77
For Proceeds of Sale (Cash not shown in Stock Valuation Account):		51,859
Timber - - - - -	2,055	
Stores - - - - -	6,945	
		9,000
		60,859
To OTHER THAN DOCKYARD SERVICES (p. 225):		
For Value of Materials returned into Store - - - - -		4,987
To CONVERSIONS (p. 227):		
	£.	
For Value of Manufactured Produce returned into Store - - - - -		39,470
For Value of unconsumed Material and Work in hand at the end of the Year - -		13,664
		53,134
To OTHER YARDS (p. 229):		
For Value of Stores received from other Yards - - - - -		48,431
		£.
		467,485

No. 2.—INCOME ACCOUNT—*continued*.

Ch.

		£.	
Brought forward - - -			419,824
By HARBOUR AND DOCKYARD NATIONAL CHARGES (p. 222):			
For Amount charged on account of the undermentioned Services, viz.:—		£.	
Salaries, &c. - - - - -		6,801	
Wages to Artificers, &c., including Wages, Yard Service Afloat, and the Hire of Teams, &c. - - - - -		10,788	
Wages, Police Force - - - - -		1,252	
Experimental Purposes (for Details, <i>see</i> p. 694) - - - - -		226	
Temporary Superintendence, &c. of Engineering and Architectural Works and Repairs - - - - -		290	
Estimated Current Charge for deferred Annuities on account of Pensions to Dockyard Officers - - - - -		418	
			19,775
By OTHER THAN DOCKYARD SERVICES (p. 225):			
For Expenditure during the Year, viz.:—			
Wages to Artificers, &c., not chargeable to Vote 6 - - - - -		6,879	
Ditto - - ditto - chargeable to Vote 6 - - - - -		54	
			6,933
By CONVERSIONS (p. 227):			
For Expenditure during the Year, viz.:—			
Wages to Artificers, &c., including Hire of Teams, &c. - - - - -			8,171
By BALANCE ACCOUNT (p. 230):			
For adjusting entry on account of the Value of Material taken on charge by Store-keeper prior to this Financial Year, but paid for in this Year - - - - -		£.	
		1,234	
For Wages paid for issuing Coals to Ships for Steaming purposes - - -	£.	1,184	
For Wages, Yard Service Afloat (Wages of Crews of Coal Hulks) - - -	1,364	2,548	
For Payments to Exchequer of Proceeds of Sale of Old Stores, &c. - - -		9,000	
			12,782
		£.	467,485

SHEERNESS DOCKYARD AND FACTORY:

No. 3.

CAPITAL ACCOUNT.

Cr.

Dr.

Dr.		£.	£.	£.	£.
To BALANCE ACCOUNT (p. 230) :—					
For Balance from last Year's Account, viz. :—					
Value of Land	676	4,525			
Ditto Buildings	676	986,964			
Ditto Machinery	676	81,545			
Ditto Stock	684	355,831			
			1,428,865		
To INCOME ACCOUNT (p. 179) :—					
For Value of Stores taken on charge during the Year, as received from Contractors			80,975		
For ditto from Ships			38,224		
For ditto of Coals for Steaming purposes, as returned from Ships, &c.			214		
For ditto of Stores from Services in connection with Coaling H.M. Ships			124		
For ditto of Stores from Services incidental to Ship Building, Equipping, &c.			2,629		
For ditto from Harbour and Dockyard and National Services.			630		
For ditto from Depreciation and Appreciation of Stock (including difference consequent upon Annual Valuation of Stock)			51,859		
For Value of Stores taken on charge during the Year, as received from other than Dockyard Services			4,987		
For ditto from Conversions			53,184		
For ditto from other Yards			48,431		
For Additions to Buildings, Docks, &c.			1,000		
For - ditto - Machinery			1,164		
				2,154	
				281,207	
					£.
					1,712,226
					£.
					1,401,690
					1,712,226

SHEERNESS DOCKYARD AND FACTORY.

AND OTHER DOCKYARD TRANSACTIONS IN FINANCIAL YEAR 1874-75.

183

No. 4.

S H I P S.

Dr. Cr.

To INCOME ACCOUNT (p. 179):

For Amount charged direct to Ships, as per Detailed Account, viz.:—

Wages to Artificers, &c., including Wages, Yard Service Afloat, and Hire of Teams - - - - - 70,362
Payments for Marine Engines, &c., delivered at Sheerness Yard, not included in the Stock Valuation Account, being charged in the Books at the Admiralty to the Ship for which the Machinery was purchased - - - - - 17,949

Payments for Breaking up Ships - - - - - 1,237

£.

89,548

To CAPITAL ACCOUNT (p. 182):

For Value of Gross Issues of Stores - - - - -

£.

120,600

To DOCKYARD CHARGES INCIDENTAL TO SHIP-BUILDING, EQUIPPING, &c. (pp. 219 and 221):

For Amount of General Expenditure charged *pro rata* to the Sub-Heads of Ships Building, Repairing, &c., as follows:

	Direct Charges.	Amount of Indirect Charges.	Rate per Cent.
On Labour - - - - -	£. 70,362	£. 41,782	£. 59.38
On Materials issued - - - - -	158,894	8,556	5.38
On " returned - - - - -	-	58	-
On Tonnage - - - - -	£.	50,396	-
		£.	£.
			260,544

On Labour - - - - - £.
On Materials issued - - - - - 120,600
On " returned - - - - - 38,224
On Tonnage - - - - - -

By INCOME ACCOUNT (p. 180):

For Value of Materials returned into Store - - - - -

£.

38,224

By BALANCE ACCOUNT (p. 230):

For Net Expenditure during the Year - - - - -

£.

222,320

£.

260,544

DETAILED SHIP ACCOUNT, showing the Amount of WAGES Paid, the Value of MATERIALS Issued and Returned, and the Share of INCIDENTAL and ESTABLISHMENT CHARGES on account of each Sub-Head of SHIPS Building, Repairing, &c., during the Year ended 20th March 1875.

No. 1.—SHIPS BUILDING AND COMPLETING FOR SEA SERVICE.

Note.—The Figures printed in *Italics* in the Money Columns show the Amount of Net Credits for Stores, &c. returned.

NAME OF SHIP.	PERIODS within which the Expense was incurred.		Tonnage.	Horse Power.	Number of Guns.	Detailed Head of Charge.	Value of Materials Issued.	Wages.	Payments to Contractors, &c. Made and Allowed at Admiralty.	Gross Total, excluding incidental and Establishment Charges.	Value of Materials Returned.	Net Total, excluding incidental and Establishment Charges.	Incidental and Establishment Charges.	Total Expense, inclusive of incidental and Establishment Charges.	REMARKS.
	From	To													
NOT IRON CLAD: DARING - - -	28 Mar. 1874	20 Mar. 1875	727 (894)	120 (946)	4	Rigging and Stores -	£. 385	£. —	£. —	£. 385	£. —	£. 385	£. —	£. —	{ Fitted rigging supplied. This vessel was built by Messrs. Wigram, of Blackwall.
						Hull - - -	9,222	10,718	—	10,940	1,362	18,578	—	—	
						Masts and Yards -	1,600	500	—	2,100	147	2,022	—	—	
DIAMOND - - -	28 Mar. 1874	20 Mar. 1875	1,405 (4,500)	350 (2,455)	14	Rigging and Stores -	3,000	324	—	3,323	169	3,164	—	—	{ Building 456 tons weight of hull. *On account of the machinery.
						Total - - - £.	13,900	11,542	—	25,442	1,678	23,764	—	—	
						Engines and Engineers' Fittings. Boilers and Engineers' Fittings.	67	244	*15,550	15,861	—	15,861	—	—	
OPAL - - -	28 Mar. "	14 April 1874	(1,864)	(2,100)	14	Total - - - £.	73	264	15,550	15,887	—	15,887	—	—	{ Sketches of masts, yards, and boats.
						Masts and Yards -	—	7	—	7	—	7	—	—	
						Rigging and Stores -	—	3	—	3	—	3	—	—	
OSPREY - - -	19 Sept. "	20 Mar. 1875	(1,864)	(2,100)	6	Total - - - £.	—	10	—	10	—	10	—	—	{ Fitting Kingston's valves, and making moulds for boats' crutches.
						Hull - - -	219	134	—	353	34	319	—	—	
						Rigging and Stores -	1	2	—	3	—	3	—	—	
OSPREY - - -	15 Aug. "	On the 27th March 1875	(1,864)	(2,100)	6	Total - - - £.	220	136	—	356	34	322	—	—	{ Building 14 tons weight of hull. On account of the machinery.
						Hull - - -	3,498	433	—	4,031	804	3,227	—	—	
						Engines and Engineers' Fittings.	—	—	2,300	2,300	—	2,300	—	—	

AND OTHER DOCKYARD TRANSACTIONS IN FINANCIAL YEAR 1874-75.

Ship	Date	Hull	Masts and Yards	Rigging and Stores	Engines and Engineers' Fittings	Boilers and Engineers' Fittings	Engineers' Stores	Total	Remarks
PIONEER	20 April 1874	69	64	2	1	70	3	136	Fitting Kingston's valves and cocks for distilling condensers. This vessel was built by Messrs. Blumer & Co., of Sunderland.
	27 Feb. 1875								
	15 Mar. 1875	115	115	10	10	115	115	129	Stores supplied for navigating the vessel to Sheerness.
RALEIGH	24 Mar. 1874	3,215	3,215	1	1	3	3	8	Fitting boat-lowering apparatus.
	8 Oct. "	18	18	592	592	592	592	592	Anchors supplied.
ROVER	17 Dec. "	6	6	5	15	17	28	27	Surveying on receipt from contractors, and fitting lightning conductors to masts.
SNIPER (Coast Guard Cruiser.)	17 Dec. "	20	20	15	15	15	15	15	Preparing to build.
STEAM LAUNCH, No. 80.	7 Nov. "		2	2			2	2	ditto.
STEAM LAUNCH, No. 81.	7 Nov. "		2	2			2	2	Completing building and fitting as a Flag Ship for East India Station. This ship was launched in January 1861, but the work of completing her for sea was suspended for several years.
UNDAUNTED	23 Mar. "	3,030	3,030	14,157	14,157	14,157	14,157	14,157	
	20 Mar. 1875	31,837	31,837	18,245	18,245	18,245	18,245	18,245	
		84	84	84	84	84	84	84	
		27,265	27,265	20,604	20,604	20,604	20,604	20,604	
		1,069	1,069	1,074	1,074	1,074	1,074	1,074	
		14,208	14,208	1,159	1,159	1,159	1,159	1,159	
		43,442	43,442	31,837	31,837	31,837	31,837	31,837	
		70	70	244	244	244	244	244	
		6	6	20	20	20	20	20	
		94	94	94	94	94	94	94	
		170	170	264	264	264	264	264	
		18,104	18,104	17,850	17,850	17,850	17,850	17,850	
		20	20	20	20	20	20	20	
		94	94	94	94	94	94	94	
		18,284	18,284	17,359	17,359	17,359	17,359	17,359	
		18,284	18,284	17,359	17,359	17,359	17,359	17,359	

IRON CLADS BUILT IN HER MAJESTY'S DOCKYARDS:

NAME OF SHIP.	PERIODS within which the Expense was incurred.		Tonnage.	Horse Power.	Number of Guns.	Detailed Head of Charge.	Value of Materials Issued.	Wages.	Payments to Con- tractors, &c. Made and Allowed at Admiralty.	Gross Total, excluding Incidental and Establi- ment Charges.	Value of Materials Returned.	Net Total, excluding Incidental and Establi- ment Charges.	Incidental and Estab- lishment Charges.	Total Expense, inclusive of Incidental and Estab- lishment Charges.	REMARKS.
	From	To													
IRON CLADS BUILT BY CONTRACT :															
IN COMMISSION : - On the 19th Sept. 1874.															
AUDACIOUS	-	14	800 (4,021)	3,774 (6,034)		{ Hull - - - - - Rigging and Stores - - Total - - - - £.	£. - 47 47	£. 5 3 3	£. - - -	£. 5 3 50	£. - - -	£. 5 47 50	£. - - -	£. - - -	Lashing and unlashings for coaling.
TRIUMPH	-	14	800 (4,892)	3,883 (6,600)		{ Hull - - - - - Engineers' Stores - - TOTAL - - - - £.	£. - 47 47	£. 7 15 15	£. - - -	£. 7 15 62	£. - - -	£. 7 15 62	£. - - -	£. - - -	Fitting magnet and stores supplied.
TOTAL - - - -															
IRON CLADS BUILT IN HER MAJESTY'S DOCKYARDS :															
IN COMMISSION :															
FAVORITE	-	10	400 (1,773)	2,094 (3,232)		{ Hull - - - - - Masts and Yards - - Rigging and Stores - - Total - - - - £.	163 - 1,387 1,550	289 2 18 309	- - - -	452 2 1,405 1,859	20 - 299 319	432 2 1,106 1,540	£. - - -	£. - - -	Annual refit and casual repairs.
IN COMMISSION :															
FAVORITE															

[illegible]

See Abstract (p. 210).

SHEERNESS DOCKYARD AND FACTORY.—No. 4.—DETAILED SHIP ACCOUNT—continued.

No. 2.—WEAR AND TEAR AND MAINTENANCE OF THE FLEET, IN COMMISSION AND IN RESERVE, including REPAIRS, REITS, ALTERATIONS, &c.—continued.

NAME OF SHIP.	PERIODS within which the Expense was incurred.		Tonnage.	Horse Power.	Number of Guns.	Detailed Head of Charge.	Value of Materials Issued.	Wages.	Payments to Con- tractors, &c. Made and Allowed at Admiralty.	Gross Total, excluding Incidental and Estab- lishment Charges.	Value of Materials Returned.	Net Total, excluding Incidental and Estab- lishment Charges.	Incidental and Estab- lishment Charges.	Total Expense, inclusive of Incidental and Estab- lishment Charges.	REMARKS.	
	From	To														
NOT IRON CLAD—continued.																
IN COMMISSION—continued.																
AMELIA	-	-	-	60 (159)	-	318 (337)	Hull	£. 3	£. 8	£. —	£. 11	£. 1	£. 10	£.	-	Casual repairs, supplies, and returns.
							Stores	3	—	3	10	7	-	-		
							Total	6	8	—	14	11	3	-	-	
							Engineers' Stores	11	—	—	11	—	11	-	-	
ARROW	-	-	-	28 (564)	1	245 (254)	Hull	£. 4	£. 34	£. —	£. 38	£. 1	£. 37	£.	-	Docking and examination of vessel to prepare spe- cifications for her repair by contract; stores sup- plied and returned.
							Masts and Yards	—	3	—	3	—	3	-	-	
							Rigging and Stores	66	2	—	68	53	15	-	-	
							Total	70	39	—	109	54	55	-	-	
BARRACOUTA	-	-	-	300 (884)	5	1,053 (—)	Engines and Engineers' Fittings.	£. —	£. 14	£. —	£. 14	£. —	£. 14	£.	-	Docking and examining bottom; stores supplied and returned.
							Boilers and Engineers' Fittings.	—	8	—	8	—	8	-	-	
							Total	—	22	—	22	—	22	-	-	
							Engineers' Stores	28	—	—	28	1	27	-	-	
BARRACOUTA	-	-	-	300 (884)	-	1,053 (—)	Hull	£. 1,722	£. 1,324	£. —	£. 2,946	£. 865	£. 2,081	£.	-	Refitting for Foreign Ser- vice.
							Masts and Yards	20	32	—	52	—	52	-	-	
							Rigging and Stores	1,559	53	—	1,612	381	1,231	-	-	
							Total	3,301	1,309	—	4,610	1,246	3,364	-	-	
BARRACOUTA	-	-	-	300 (884)	-	1,053 (—)	Engines and Engineers' Fittings.	£. 39	£. 170	£. —	£. 209	£. 9	£. 200	£.	-	Refitting for Foreign Ser- vice.
							Boilers and Engineers' Fittings.	15	35	—	50	—	50	-	-	
							Engineers' Stores	251	—	—	251	2	249	-	-	
							Total	305	205	—	510	11	499	-	-	

Ship	Age	Displacement	Date	Engineers' Stores	Rigging and Stores	Hull - Masts and Yards - Rigging and Stores	Total	Works incidental to paying off in December 1874.
BASILISK	5	400 (1,038)	3 Dec. "	4	34	38	76	Works incidental to paying off in December 1874.
			8 Jan. "	4	87	91	182	
BEATRICE (Coast Guard Cruiser.)	-	-	23 July "	38	-	38	76	Stores supplied and re-turned.
			25 Jan. "	-	-	-	-	
BULLFINCH	3	160 (985)	8 May "	16	19	134	169	Works incidental to Commissioning in July 1874, and sea stores supplied. *Engines' governors.
			20 Mar. "	346	-	346	692	
BULLFROG	2	60 (263)	11 Aug. "	70	-	70	140	Stores supplied and re-turned.
			20 Mar. "	281	1	282	563	Casual supplies and returns.
CASTOR	13	1,903 (7,808)	28 Mar. "	52	34	86	172	Works incidental to paying off in August 1874.
			21 Aug. 1874	-	-	-	-	
CHERUB	2	60 (226)	29 July "	-	-	-	-	Casual returns.
			On the 2nd June 1874	-	-	-	-	
CLIO	18	400 (1,509)	28 May 1874	73	57	130	260	Fittings for 6½ ton gun; casual supplies and returns.
			25 Jan. 1875	354	-	354	708	
CLYDE	15	1,091 (4,477)	28 May 1874	427	57	484	911	
			25 Jan. 1875	-	-	-	-	

SHEERNESS DOCKYARD AND FACTORY.—No. 4.—DETAILED SHIP ACCOUNT—continued.

No. 2.—WEAR AND TEAR AND MAINTENANCE OF THE FLEET, IN COMMISSION AND IN RESERVE, including REPAIRS, REFITS, ALTERATIONS, &c.—continued.

NAME OF SHIP.	Number of Guns.	Horse Power.	Tonnage.	PERIODS within which the Expense was incurred.		Detail of Head of Charge.	Value of Materials Issued.	Wages.	Payments to Contractors, &c. Made and Allowed at Admiralty.	Gross Total, excluding incidental and Establishment Charges.	Value of Materials Returned.	Net Total, excluding incidental and Establishment Charges.	Incidental and Establishment Charges.	Total Expense, inclusive of incidental and Establishment Charges.	REMARKS.
				From	To										
NOT IRON CLAD—continued.															
IN COMMISSION—continued.															
COLUMBINE	-	3	150 (598)	672 (913)	8 May 1874	29 May 1874	Hull - - - Masts and Yards - Rigging and Stores - Total - - - £.	£. 1 1 — 2	£. 21 22 12 55	£. — — — —	£. 22 30 1,354 1,419	£. 22 30 1,354 1,419	£. — — — —	£. — — — —	Works incidental to paying off in May 1874.
COSSACK	-	16	250 (870)	1,296 (1,954)	-	On the 21st May 1874 -	Engineers' Stores - Rigging and Stores -	— —	— —	— —	169 2	169 2	— —	— —	Stores returned.
CYGNET	-	4	— (457)	— (440)	7 Sept. 1874	16 Sept. 1874	Rigging and Stores - Engineers' Stores -	122 6	— —	— —	— —	122 6	— —	— —	Sea stores supplied whilst vessel was completing by contractors.
DEDALUS	-	13	—	1,082	28 Nov. "	2 Jan. 1875	Hull - - - Engineers' Stores -	— —	8 1	— —	— —	8 1	— —	— —	Preparing specifications for roofing.
DARING	-	4	120 (916)	727 (894)	24 Oct. "	29 Oct. 1874	Engineers' Stores -	14	—	—	—	14	—	—	Fitting magnets, and stores supplied.
DAUNTLESS	-	9	Late 580 (1,305)	1,575 (2,457)	7 April "	2 Mar. 1875	Rigging and Stores -	114	—	—	2	112	—	—	Casual supplies and repairs.
DIAMOND	-	14	350 (2,455)	1,405 (4,890)	9 Feb. 1875	20 Mar. "	Rigging and Stores -	134	—	—	—	134	—	—	Sea stores supplied whilst completing for sea.
Total - - - £.							3,335	1,625	—	4,960	813	4,147	—	—	
Hull - - -							910	1,318	—	2,228	207	2,021	—	—	
Masts and Yards -							159	132	—	291	6	285	—	—	
Rigging and Stores -							2,266	175	—	2,441	600	1,841	—	—	
Total - - - £.							3,335	1,625	—	4,960	813	4,147	—	—	
Engines and Engineers' Fittings.							75	167	—	242	1	241	—	—	
Boilers and Engineers' Fittings.							271	512	—	783	54	729	—	—	
Engineers' Stores -							203	—	—	203	14	189	—	—	
Total - - - £.							549	679	—	1,228	69	1,159	—	—	Refitting for two years' further service at sea.

	23 Mar. "	21 Aug. 1874		Hull - - - Masts and Yards - Rigging and Stores	1,230 379 918	1,519 433 157	- - -	- - -	2,839 812 1,075	456 73 472	2,383 739 603
				Total - - - £.	2,617	2,109	-	-	4,720	1,001	3,725
				Engines and Engineers' Fittings.	221	171	-	-	392	136	256
				Boilers and Engineers' Fittings.	1	-	-	-	1	-	1
				Engineers' Stores -	82	-	-	-	82	13	69
				Total - - - £.	304	171	-	-	475	149	326
				Hull - - - Rigging and Stores	87 504	104 3	- -	- -	191 507	11 143	180 364
				Total - - - £.	591	107	-	-	698	154	544
				Engineers' Stores -	77	-	-	-	77	3	74
				Hull - - - Rigging and Stores	9 402	2 -	- -	- -	11 402	5 12	6 390
				Total - - - £.	411	2	-	-	413	17	396
				Engineers' Stores -	12	-	-	-	12	-	12
				Hull - - - Rigging and Stores	- 59	11 -	- -	- -	11 59	- 18	11 41
				Total - - - £.	59	11	-	-	70	18	52
				Hull - - - Masts and Yards - Rigging and Stores	12 - 1,183	3 2 -	- - -	- - -	15 2 1,183	- - 621	15 2 562
				Total - - - £.	1,195	5	-	-	1,200	621	579
				Engineers' Stores -	186	-	-	-	186	28	158
				Hull - - - Masts and Yards - Rigging and Stores	4 1 -	22 32 16	- - -	- - -	26 33 16	- - 99	26 33 53
				Total - - - £.	5	70	-	-	75	99	24
DUNCAN	30	800 (2,826)	3,727 (5,724)	24 Aug. "	19 Dec. "	7 Jan. 1875	19 Mar. 1875				
DURHAM	17	-	1,627 (1,815)	25 April 1874	1 Mar. "						
ENDYMION	22	500 (1,620)	2,486 (3,197)	25 July "	20 Mar. "						
PAWN	5	100 (1,344)	751 (1,045)	13 Mar. 1875	20 Mar. "						

Reft after return from West Indies.

Casual repairs, supplies, and returns.

Preparing specifications and sketches for roofing. Stores supplied and returned.

Works incidental to paying off in July, and re-commissioning in August 1874, as a temporary District Coast Guard Ship at Hull.

Works incidental to paying off in March 1875.

SHEERNESS DOCKYARD AND FACTORY.—No. 4.—DETAILED SHIP ACCOUNT—continued.

No. 2.—WEAR AND TEAR AND MAINTENANCE OF THE FLEET, IN COMMISSION AND IN RESERVE, including REPAIRS, REFITS, ALTERATIONS, &c.—continued.

NAME OF SHIP.	PERIODS within which the Expense was incurred.		Tonnage.	Horse Power.	Number of Guns.	Detailed Head of Charge.	Value of Materials Issued.	Wages.	Payments to Con- tractors, &c. Made and Allowed at Admiralty.	Gross Total, excluding Incidental and Estab- lishment Charges.	Value of Materials Returned.	Net Total, excluding Incidental and Estab- lishment Charges.	Incidental and Estab- lishment Charges.	Total Expense, inclusive of Incidental and Estab- lishment Charges.	REMARKS.	
	From	To														
NOT IRON CLAD—continued.																
IN COMMISSION—continued.																
FEARLESS - - -	17 June 1874	20 June 1874	165	76	-	{ Hull - - - Rigging and Stores	£. — 4	2 —	—	£. 2 4	—	£. 2 4	-	-	-	Repairing copper on bot- tom, and casual supplies.
						Total - - - £.	4	2	—	6	—	6				
FISGARD - - -	24 April "	20 Mar. 1875	1,069 (4,447)	-	22	{ Hull - - - Rigging and Stores	41. 333	— 1	—	£. 41 334	2 63	£. 39 271	-	-	-	Casual repairs, supplies, and returns.
						Total - - - £.	374	1	—	£. 375	65	£. 310				
FLORA - - - (Coast Guard Cruiser.)	10 Sept. "	18 Jan. "	40	-	-	{ Hull - - - Rigging and Stores	1 13	3 —	—	£. 4 13	— 1	£. 4 12	-	-	-	- ditto - ditto.
						Total - - - £.	14	3	—	£. 17	1	£. 16				
FLYING FISH - -	16 July "	8 Aug. 1874	727 (834)	120 (836)	4	Engines and Engineers' Fittings.	1	1	—	£. 2	—	£. 2	-	-	-	Fitting new spindle to dis- charge valves.
						{ Hull - - - Rigging and Stores	2 294	14 1	—	£. 16 295	—	£. 16 295				
						Total - - - £.	296	15	—	£. 311	—	£. 311				
FOAM - - -	15 April "	20 Mar. 1875	295 (430)	60 (406)	4	Engines and Engineers' Fittings. Engineers' Stores	7 260	11 —	—	£. 18 260	—	£. 18 260	-	-	-	Work consequent on com- missioning in May 1874.
						Total - - - £.	267	11	—	£. 278	—	£. 278				
FOX - - -	18 June "	3 July 1874	1,131 (4,780)	200 (764)	2	{ Hull - - - Rigging and Stores	7 1	—	—	£. 7 1	2 —	£. 5 1	-	-	-	Casual supplies and re- pairs.
						Total - - - £.	8	—	—	£. 8	2	£. 6				

|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|

SHEERNESS DOCKYARD AND FACTORY.—No. 4.—DETAILED SHIP ACCOUNT—continued.

No. 2.—WEAR AND MAINTENANCE OF THE FLEET, IN COMMISSION AND IN RESERVE, including REPAIRS, REFITS, ALTERATIONS, &c.—continued.

NAME OF SHIP.	PERIODS within which the Expense was incurred.		Tonnage.	Horse Power.	Number of Guns.	Detailed Head of Charge.	Value of Materials Issued.	Wages.	Payments to Con- tractors, &c. Made and Allowed at Admiralty.	Gross Total, excluding Incidental and Establish- ment Charges.	Value of Materials Returned.	Net Total, excluding Incidental and Establish- ment Charges.	Incidental and Estab- lishment Charges.	Total Expense, inclusive of Incidental and Estab- lishment Charges.	REMARKS.	
	From	To														
NOT IRON CLAD—continued.																
IN COMMISSION—continued.																
PORCUPINE -	-	1	132	382	2 Sept. 1874	19 Sept. 1874	Hull - - - Rigging and Stores - Total - - - £.	£. 4 81 85	9 — 9	— — —	13 81 94	1 2 3	12 79 91	-	£.	Casual repairs, supplies, and returns.
						Engines and Engineers' Fittings. Engineers' Stores -	23 48 71	37 — 37	— — —	60 48 108	1 — 1	59 48 107	-	-	-	Casual supplies.
PRESIDENT -	-	17	-	1,537 (4,969)	25 Mar. "	26 Feb. 1875	Rigging and Stores -	303	—	—	303	—	303	-	-	Fitting magnets, mooring &c.
RALEIGH -	-	22	800 (5,639)	3,215 (4,780)	6 June "	13 June 1874	Hull - - - Rigging and Stores - Total - - - £.	7 449 456	18 1 19	— — —	25 450 475	— — —	25 450 475	-	-	Work consequent on com- missioning in September 1874.
ROCKET -	-	4	120 (632)	464 (584)	4 Aug. "	16 Feb. 1875	Engines and Engineers' Fittings. Engineers' Stores - Total - - - £.	11 447 458	18 — 18	— — —	29 447 476	— — —	29 447 476	-	-	Stores supplied for towing "Wellesley" from New- castle to Sheerness.
SALAMANDER -	-	2	220 (508)	818 (—)	- On the 8th Sept. 1874	-	Rigging and Stores - Hull - - - Engines and Engineers' Fittings. Engineers' Stores - Total - - - £.	174 — 9 11 20	— — — 1 1	— — — — —	174 — 9 12 21	— 1 — 6 6	174 — 9 6 15	-	-	Casual supplies and re- turns.
SAPPHO -	-	4	120 (736)	727 (894)	26 Sept. 1874	21 Oct. 1874	Engines and Engineers' Fittings. Engineers' Stores - Total - - - £.	9 11 20	— 1 1	— — —	9 12 21	— 6 6	9 6 15	-	-	

SIMOOM	4	400 (1,576)	1,980 (3,502)	- On the 17th Oct. 1874 -		Hull	-	2	-	2	-	2	Mooring and unmooring.
				8 Aug. 1874	31 Oct. 1874	Hull	-	15	-	15	-	15	
						Masts and Yards	1	2	-	3	-	3	
						Rigging and Stores	26	13	13	39	13	26	
SKYLARK	1	60 (268)	296 (284)	8 Aug. 1874		Total	27	30	13	57	13	44	Casual repairs, supplies, and returns.
				27 Mar. "	24 Oct. "	Boilers and Engineers' Fittings.	8	23	-	31	-	31	
						Rigging and Stores	71	-	-	71	38	33	
						Hull	6	16	-	22	-	22	
SQUIREL (Coast Guard Cruiser.)	-	-	-	20 June "		Engines and Engineers' Fittings.	-	1	-	1	-	1	Casual repairs and supplies.
				28 May "	3 Aug. "	Hull	7	20	-	27	-	27	
						Rigging and Stores	-	-	1	-	1	4	
						Total	7	20	1	27	1	26	
STEAM LAUNCH, No. 59. (Attached to "Duncan.")	-	6	23	31 Oct. "		Boilers and Engineers' Fittings.	1	5	-	6	-	6	Casual repairs, supplies, and returns.
				31 Oct. "	30 Jan. 1875	Engines and Engineers' Fittings.	-	2	-	2	-	2	
						Hull	14	-	-	14	-	14	
						Engines and Engineers' Fittings.	7	12	-	19	-	19	
STEAM LAUNCH, No. 60. (Attached to "Duncan.")	-	6	15	6 Feb. 1875		Boilers and Engineers' Fittings.	3	10	-	13	-	13	Repairs of machinery and casual supplies.
				3 July 1874	11 Mar. "	Total	10	22	-	32	-	32	
						Hull	24	24	-	48	3	45	
						Engines and Engineers' Fittings.	9	31	-	40	-	40	
STEAM PINNACE, No. 31. (Attached to "Favorite.")	-	4½	7	3 July 1874		Boilers and Engineers' Fittings.	28	23	-	51	11	40	Casual repairs, supplies, and returns.
				31 Oct. "	30 Jan. 1875	Engines and Engineers' Fittings.	1	-	-	1	-	1	
						Total	38	54	-	92	11	81	
						Hull	24	24	-	48	3	45	

SHEERNESS DOCKYARD AND FACTORY.—No. 4.—DETAILED SHIP ACCOUNT—continued.

No. 2.—WEAR AND TEAR AND MAINTENANCE OF THE FLEET, IN COMMISSION AND IN RESERVE, including REPAIRS, REFITS, ALTERATIONS, &c.—continued.

No. 2.—WEAR AND TEAR AND MAINTENANCE OF THE FLEET, IN COMMISSION AND IN RESERVE.															
NAME OF SHIP.	Number of Guns.	Horse Power.	Tonnage.	PERIODS within which the Expense was incurred.		Detailed Head of Charge.	Value of Materials Issued.	Wages.	Payments to Con- tractors, &c. Made and Allowed at Admiralty.	Gross Total, excluding Incidental and Establish- ment Charges.	Value of Materials Returned.	Net Total, excluding Incidental and Establish- ment Charges.	Incidental and Estab- lishment Charges.	Total Expense, inclusive of Incidental and Estab- lishment Charges.	REMARKS.
				From	To										
NOT IRON CLAD—continued.															
IN COMMISSION—continued.															
STEAM PINNACE, No. 34. (Attached to "Newcastle" for Harbour Service while in First Re- serve.)	-	6	13	4 April 1874	25 April 1874	Hull - - - -	£. 32	£. 42	£. -	£. 74	£. 5	£. 69	-	£.	
						Engines and Engineers' Fittings.	-	2	-	2	-	2	-	-	Casual repairs, supplies, and returns.
						Boilers and Engineers' Fittings.	-	3	-	3	-	3	-	-	
						Engineers' Stores -	13	-	-	13	-	13	-	-	
						Total - - - £.	13	5	-	18	-	18	-	-	
STEAM PINNACE, No. 43. (Attached to "Barraouta.")	-	4½	8	22 May "	18 July "	Hull - - - -	9	20	-	29	2	27	-	-	
						Rigging and Stores -	1	-	-	1	-	1	-	-	
						Total - - - £.	10	20	-	30	2	28	-	-	ditto - ditto.
						Engines and Engineers' Fittings.	5	21	-	26	-	26	-	-	
						Boilers and Engineers' Fittings.	2	18	-	20	-	20	-	-	
STEAM PINNACE, No. 46. (Attached to "Porcupine.")	-	4½	8	5 Sept. "	14 Sept. "	Engineers' Stores -	1	-	-	1	-	1	-	-	
						Total - - - £.	8	30	-	47	-	47	-	-	
						Boilers and Engineers' Fittings.	3	11	-	14	-	14	-	-	Repair of boiler.
						Hull - - - -	2	25	-	27	-	27	-	-	
						Masts and Yards -	-	22	-	22	-	48	-	-	
TEAZER - - -	4	120 (359)	464 (584)	17 Aug. "	3 Dec. "	Rigging and Stores	1	9	-	10	-	892	-	-	
						Total - - - £.	3	56	-	59	940	887	-	-	Work incidental to paying off in August 1874.
						Engineers' Stores -	-	-	-	-	265	265	-	-	

O.I.	TIGER (Coast Guard Cruiser.)	18	26 Mar. "	10 Mar. 1875	Rigging and Stores	9	—	—	9	2	7	Casual supplies and re- turns.
	TRINCOMALEE -	15	29 May "	20 Mar. "	Rigging and Stores	84	—	—	84	2	82	Stores supplied and re- turned.
					Hull - - -	91	165	—	256	18	238	Examination of vessel in dock, repairs, supplies, &c.
					Masts and Yards -	14	16	—	30	4	26	
					Rigging and Stores	20	12	—	32	10	22	
					Total - - - £.	125	193	—	318	32	286	
			23 Mar. "	29 April 1874	Engines and Engineers' Fittings.	—	5	—	5	—	5	Casual repairs, supplies, and returns.
					Engineers' Stores -	1	—	—	1	—	1	
					Total - - - £.	1	5	—	6	—	6	
					Hull - - -	4	13	—	17	—	17	
					Masts and Yards -	1	3	—	4	—	4	Work consequent on com- missioning in March 1875.
					Rigging and Stores	98	2	—	100	29	71	
					Total - - - £.	103	18	—	121	29	92	
			6 July "	3 Dec. "	Engines and Engineers' Fittings.	2	1	—	3	—	3	
					Boilers and Engineers' Fittings.	1	5	—	6	—	6	Casual supplies and re- turns.
					Engineers' Stores -	34	—	—	34	3	31	
					Total - - - £.	37	6	—	43	3	40	
					Hull - - -	—	1	—	1	—	1	
					Rigging and Stores	2,617	—	—	2,617	—	2,617	Work consequent on com- missioning in March 1875.
					Total - - - £.	2,617	1	—	2,618	—	2,618	
					Engines and Engineers' Fittings.	13	—	—	13	—	13	
					Engineers' Stores -	863	—	—	863	—	863	
					Total - - - £.	876	—	—	876	—	876	Casual supplies and re- turns.
					Rigging and Stores	109	—	—	109	3	106	
	UNDAUNTED -	31	8 Mar. 1875	20 Mar. 1875								
		600 (2,503)			Hull - - -	—	1	—	1	—	1	Casual supplies and re- turns.
					Rigging and Stores	2,617	—	—	2,617	—	2,617	
					Total - - - £.	2,617	1	—	2,618	—	2,618	
					Engines and Engineers' Fittings.	13	—	—	13	—	13	
					Engineers' Stores -	863	—	—	863	—	863	Casual supplies and re- turns.
					Total - - - £.	876	—	—	876	—	876	
	UNICORN -	10	26 June 1874	27 Nov. 1874	Rigging and Stores	109	—	—	109	3	106	
		1,084 (4,447)										

SHEERNESS DOCKYARD AND FACTORY.—No. 4.—DETAILED SHIP ACCOUNT—continued.

REPAIRS, REBUILTS, ALTERATIONS, &c.—continued.

NAME OF SHIP.		Number of Guns.	Horse Power.	Tonnage.	PERIODS within which the Expense was incurred.		Detailed Head of Charge.	Value of Materials Issued.	Wages.	Payments to Con- tractors, &c. Made and Allowed at Admiralty.	Gross Total, excluding Incidental and Estab- lishment Charges.	Value of Materials Returned.	Net Total, excluding Incidental and Estab- lishment Charges.	Incidental and Establishment Charges.	Total Expense, inclusive of Incidental and Establishment Charges.	REMARKS.				
					From	To														
NOT IRON CLAD—continued.																				
IN COMMISSION—continued.																				
WILDFIRE	-	-	76	186	23 Mar. 1874	22 May 1874	Hull - - - - £.	20	43	-	63	-	63	-	-	-	Casual repairs, supplies, and returns.			
							Masts and Yards - - -	5	-	-	5	-	5	-						
									Rigging and Stores - -	7	-	-	7	-	7	-				
									Total - - - - £.	32	43	-	75	-	75	-				
					15 July "	19 Aug. "	Engines and Engineers' Fittings.	5	48	-	58	-	58	-	58	-	-	-	-	ditto - ditto.
							Boilers and Engineers' Fittings.	24	75	-	99	3	96	-						
							Engineers' Stores -	10	-	-	10	-	10	-						
							Total - - - - £.	39	123	-	162	3	159	-						
					24 Aug. "	3 Nov. "	Hull - - - -	10	3	-	13	2	11	-	-	-	-	-	-	ditto - ditto.
							Rigging and Stores -	31	-	-	31	-	31	-						
Total - - - - £.	41	3	-	44			2	42	-											
Engineers' Stores -	20	-	-	20			-	20	-											
23 Nov. "	20 Mar. 1875	Masts and Yards - -	4	3	-	7	-	7	-	-	-	-	-	-	-	Casual repairs and sup- plies.				
		Rigging and Stores -	26	2	-	28	-	28	-											
		Total - - - - £.	30	5	-	35	-	35	-											
		Engines and Engineers' Fittings.	1	3	-	4	-	4	-											
				Engineers' Stores -	12	-	-	12	-	12	-									
				Total - - - - £.	13	3	-	16	-	16	-									

[illegible]

IRON CLADS BUILT BY CONTRACT:

IN RESERVE:					
AUDACIOUS	-	14	800 (4,021)	3,774 (6,034)	18 April 1874 11 July 1874
NOT IRON CLAD:					
IN RESERVE:					
ANSON	-	73	800 (3,583)	3,336 (5,200)	30 Mar. " 17 Nov. "
ARETHUSA	-	-	500 (9,165)	3,141 (3,832)	19 Dec. " 23 Feb. 1875 21 Sept. " 20 Mar. "

NOT IRON CLAD:

IN RESERVE:		30 Mar. '99	17 Nov. '99
AMSON	-	800 (3,588)	3,336 (5,200)
ARETHUSA	-	500 (9,165)	3,141 (3,832)
		19 Dec. '99	23 Feb. 1875
		21 Sept. '99	20 Mar. '99

SHEERNESS DOCKYARD AND FACTORY.—No. 4.—DETAILED SHIP ACCOUNT—continued.

No. 2.—WEAR AND TEAR AND MAINTENANCE OF THE FLEET, IN COMMISSION AND IN RESERVE, including REPAIRS, REFITS, ALTERATIONS, &c.—continued.

NAME OF SHIP.	PERIODS within which the Expense was incurred.		Tonnage.	Horse Power.	Number of Guns.	Detailed Head of Charge.	Value of Materials Issued.	Wages.	Payments to Con- tractors,&c. Made and Allowed at Admiralty.	Gross Total, excluding Incidental and Establish- ment Charges.	Value of Materials Returned.	Net Total, excluding Incidental and Establish- ment Charges.	Incidental and Estab- lishment Charges.	Total Expense, Inclusive of Incidental and Estab- lishment Charges.	REMARKS.	
	From	To														
NOT IRON CLAD—continued.																
IN RESERVE—continued.																
BASILISK	-	5	1,031 (—)	400 (1,035)	-	12 Dec. 1874	16 Jan. 1875	{ Hull - - - Rigging and Stores - Total - - - £.	£. — 104 104	8 — 8	— — —	£. 8 104 112	— — —	£. — — —	{ Examining machinery, re- moving ship to Chatham, and, stores supplied and returned.	
						Engines and Engineers' Fittings, Boilers and Engineers' Fittings. Total - - - £.	— 1 1	1 21 22	— — —	£. 1 22 23	— — —	1 22 23	— — —	£. — — —	Stores returned.	
BEE (Attached to Royal Naval College, Greenwich.)	-	1	42	10	-	Rigging and Stores	—	—	—	—	1	1	—	£. — — —	Stores returned.	
						{ Hull - - - Masts and Yards - - Rigging and Stores - Total - - - £.	518 8 2,193 2,719	1,059 47 114 1,220	— — — —	£. — — —	124 2 22 148	1,453 53 2,285 3,791	— — — —	£. — — —	Repairing and refitting for service at sea.	
BULLFINCH	-	3	604 (77½)	100 (95)	-	23 Mar. 1874	20 Oct. 1874	Engines and Engineers' Fittings, Boilers and Engineers' Fittings, Engineers' Stores Total - - - £.	353 135 72 560	285 314 — 599	— — — —	£. — — —	638 449 72 1,159	178 63 — 241	460 386 72 918	— — — —
						{ Hull - - - Rigging and Stores - Total - - - £.	— — —	1 — 1	— — —	£. 1 — 1	12 2 14	11 2 43	— — —	£. — — —	Stores surveyed and re- turned.	
CHANTICLEER	-	7	950 (1,365)	200 (994)	-	6 Mar. 1875	11 Mar. 1875	Hull - - -	—	—	—	—	—	£. — — —	Stores returned.	
CHERUB	-	2	268 (330)	60 (226)	-	- On the 11th Feb. 1875 -	Hull - - -	—	—	—	6	6	—	£. — — —	Stores returned.	

[illegible]

SHEERNESS DOCKYARD AND FACTORY.—No. 4.—DETAILED SHIP ACCOUNT—continued.

No. 2.—WEAR AND TEAR AND MAINTENANCE OF THE FLEET, IN COMMISSION AND IN RESERVE, including Repairs, Refits, Alterations, &c.—continued.

NAME OF SHIP.	Number of Guns.	Horse Power.	Periods within which the Expense was incurred.		Detailed Head of Charge.	Value of Materials Issued.	Wages.	Payments to Contractors, &c. Made and Allowed at Admiralty.	Gross Total, excluding incidental and Establishment Charges.	Value of Materials Returned.	Net Total, excluding incidental and Establishment Charges.	Incidental and Establishment Charges.	Total Expense, inclusive of incidental and Establishment Charges.	REMARKS.
			From	To										
NOT IRON CLAD—continued.														
Is Reserve—continued.														
CAPEX	3	150 (277)	9 Mar. 1875	11 Mar. 1875	Hull	£.	—	—	£.	—	£.	7	£.	Stores returned.
JACKET	5	20 (277)	4 Feb.	1 Mar.	Hull Masts and Yards Rigging and Stores Total	— 14 30 44	— — — 1	— — — —	— 15 30 45	6 14 — 20	6 1 30 25	—	—	Stores supplied and returned.
JACKET	3	450 (1,094)	29 Aug. 1874	20 Mar.	Hull Masts and Yards Rigging and Stores Total	213 1,350 — 1,563	670 3 1 674	— — — —	883 1,353 1 2,237	1,175 — 194 1,969	202 1,353 194 868	—	—	Repairing and refitting for sea service. Fitting new boilers.
JACKET	5	80 (337)	4 Feb. 1875	17 Mar.	Engines and Engineers' Fittings. Boilers and Engineers' Fittings. Total	158 6,042 6,200	420 539 959	— — —	617 6,581 7,198	16 1,040 1,056	661 5,541 6,142	—	—	Removing fittings, engines, boilers, &c., prior to breaking up vessel; and stores returned.

	23 Mar. 1874	6 June 1874	Hull - Rigging and Stores	24 202	30 4	—	41 205	117	44 80
			Total - - - £.	226	24	—	250	117	133
NEWCASTLE - - - 31	600 (2,354)	3,035 (4,020)	Hull - - - Masts and Yards - Rigging and Stores - Total - - - £.	600 3 441 1,143	1,192 11 163 1,966	— — — —	1,891 14 604 2,509	123 — 60 183	1,704 14 544 2,326
	22 Aug. "	11 Jan. 1875	Engines and Engineers' Fittings - Boilers and Engineers' Fittings - Engineers' Stores - Total - - - £.	62 16 1 70	82 41 — 123	— — — —	144 57 1 202	— — — —	144 57 1 202
NYPH - - - 9	300 (1,084)	20 Mar. "	Hull - - - Masts and Yards - Rigging and Stores - Total - - - £.	5,901 559 4,795 11,255	7,619 676 891 8,686	— — — —	13,520 1,235 5,186 19,941	1,101 183 21 1,345	12,329 1,102 5,165 18,596
	23 Mar. "	20 Mar. "	Engines and Engineers' Fittings - Boilers and Engineers' Fittings - Engineers' Stores - Total - - - £.	1,463 736 69 2,268	1,757 1,100 — 2,857	— — — —	3,220 1,836 69 5,125	1,077 231 2 1,310	2,143 1,605 67 3,815
OBBERON - - - 3	Late 260	12 May "	Masts and Yards -	—	—	—	—	16	46
PYLADNS - - - 17	350 (1,041)	6 Mar. 1875	Hull - - - Masts and Yards - Rigging and Stores - Total - - - £.	— — — —	2 — — 2	— — — —	2 — — 2	14 6 5 25	42 6 5 23
RAINBOW - - - 60	235 (156)	- On the 28th Mar. 1874 -	Hull - - -	—	2	—	2	—	2

SHEERNESS DOCKYARD AND FACTORY.—No. 4.—DETAILED SHIP ACCOUNT—continued.

No. 2.—WEAR AND TEAR AND MAINTENANCE OF THE FLEET, IN COMMISSION AND IN RESERVE, including REPAIRS, REPTS, ALTERATIONS, &c.—continued.

NAME OF SHIP.	Number of Tons.	Horse Power.	Tonnage.	PERIODS within which the Expense was incurred.		Detailed Head of Charge.	Value of Materials Issued.	Wages.	Payments to Con- tractors, &c. Made and Allowed at Admiralty.	Gross Total, excluding Incidental and Estab- lish- ment Charges.	Value of Materials Returned.	Net Total, excluding Incidental and Estab- lish- ment Charges.	Incidental and Estab- lishment Charges.	Total Expense, inclusive of Incidental and Estab- lishment Charges.	REMARKS.	
				From	To											
NOT IRON CLAD—continued.																
IN RESERVE—continued.																
ROCKET - - -	4	120 (632)	464 (564)	23 Mar. 1874	26 Feb. 1875	Hull - - - Masts and Yards - Rigging and Stores - Total - - - £.	£. 2,114 146 1,888 4,148	£. 2,832 250 165 3,247	£. - - - -	£. 4,946 398 2,053 7,395	£. 663 19 9 691	£. 4,283 377 2,044 6,704	£.	£.	Repairing and refitting for Sea Service.	
ROYALIST - - -	2	150 (627)	669 (945)	23 Jan. 1875	23 Feb. "	{ Masts and Yards - Boilers and Engineers' Fittings.	- - -	5 3 -	- - -	5 3 -	2 - -	3 3 -	- - -	- - -	Surveying and returning mast gear, and convey- ing boilers to Chatham.	
SPEEDWELL - - -	5	80 (322)	428 (574)	4 Feb. "	20 Mar. "	{ Hull - - - Masts and Yards - Total - - - £.	- - -	2 4 6	- - -	2 4 6	9 26 35	7 22 29	- - -	- - -	Examining and returning mast gear, &c.	
STEAM CUTTER, No. 31. (Attached to "Diamond.")	-	3	7	9 Jan. "	20 Mar. "	{ Hull - - - Engines and Engineers' Fittings.	- -	5 1	- -	5 1	- -	5 1	- -	- -	Completing fittings for sea.	
STEAM CUTTER, No. 43. (Attached to "Nymphet.")	-	24	-	5 Dec. 1874	6 Mar. "	{ Engines and Engineers' Fittings. Boilers and Engineers' Fittings. Engineers' Stores - Total - - - £.	1 - 40 41	6 1 - 7	- - - -	7 1 40 48	- - - -	7 1 40 48	- - -	- - -	- ditto.	

STEAM LAUNCH, No. 45. (Attached to "Newcastle" for Sea Service.)	6	23	28 Mar. 1874	23 Oct. 1874	Hull - - - -	Engines and Engineers' Fittings.	1	9	—	20	—	20	—	10	—	20	Refitting for Sea Service.																																																																						
																		Boilers and Engineers' Fittings.	—	1	10	—	1	10	—																																																														
																										Engineers' Stores -	19	—	19	3	16	—																																																							
																																	Total - - - £.	20	10	30	3	27	—																																																
STEAM PINNACE, No. 1. (Attached to "Reserve.")	4	12	24 Mar. "	23 Jan. 1875	Hull - - - -	Rigging and Stores	2	—	—	2	—	2	—	5	7	29	Stores supplied for casual repairs.																																																																						
																		Total - - - £.	7	—	7	—	7	—	29	—	1	5	6	3	10	—																																																							
																																	Engineers' Stores -	29	—	29	—	1	5	6	3	10	—																																												
																																												Hull - - - -	1	5	6	3	10	—																																					
																																																			Rigging and Stores	5	7	29	—	1	5	6	3	10	—																										
STEAM PINNACE, No. 34. (Attached to "Endymion.")	6	13	20 Aug. 1874	3 Sept. 1874	Hull - - - -	Engines and Engineers' Fittings.	1	13	—	14	—	14	—	11	25	124	Casual repairs.																																																																						
																		Boilers and Engineers' Fittings.	1	10	—	11	25	—	124	—	34	48	24	106	6	83	2	14	—																																																				
																																				Total - - - £.	2	23	—	25	—	124	—	34	48	24	106	6	83	2	14	—																																			
																																																					Hull - - - -	36	88	—	124	—	34	48	24	106	6	83	2	14	—																				
																																																																				Engines and Engineers' Fittings.	2	26	—	24	52	—	32	22	—	54	—	6	32	47	85	2	16	—	
STEAM PINNACE, No. 35. (Attached to "Undaunted.")	6	13	28 Mar. "	20 Mar. 1875	Hull - - - -	Engines and Engineers' Fittings.	2	32	—	34	—	34	—	48	24	106	Refitting for sea.																																																																						
																		Boilers and Engineers' Fittings.	26	—	48	24	106	—	34	48	24	106	—	6	32	47	85	2	16	—																																																			
																																					Engineers' Stores -	24	—	24	—	106	—	34	48	24	106	—	6	32	47	85	2	16	—																																
																																																								Total - - - £.	52	54	—	106	—	34	48	24	106	—	6	32	47	85	2	16	—														
																																																																										Rigging and Stores	—	—	—	—	—	—	—	—	—	—	—	—	—
SILVIA - - - -	3	150 (689)	695 (877)	- On the 6th June 1874 -	Hull - - - -	Masts and Yards -	32	6	—	6	—	6	—	34	47	87	2	2	14	—	16	—	Examining machinery, transporting to Chat- ham, stores supplied, &c.																																																																
																								Rigging and Stores	47	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—																																											
																																													Total - - - £.	79	8	—	87	2	2	14	—	16	—	—	—	—	—	—	—	—	—	—																							
																																																																	Engines and Engineers' Fittings.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—			
																																																																																					Boilers and Engineers' Fittings.	—	—
TEAZER - - - -	4	120 (459)	464 (584)	29 Aug. 1874	20 Mar. 1875	Hull - - - -	Engines and Engineers' Fittings.	—	3	—	2	—	2	14	—	16	—	—	—	—	—	—	—	—																																																															
																									Rigging and Stores	47	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—																																									
																																															Total - - - £.	79	8	—	87	2	2	14	—	16	—	—	—	—	—	—	—	—	—	—	—																				
																																																																				Engines and Engineers' Fittings.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

No. 3.—HULKS REPAIRING, &c.

NAME OF SHIP.	Rate or Class of Ship.	Number of Guns.	Horse Power.	Tonnage.	PERIODS within which the Expense was incurred.		Detailed Head of Charge.	Value of Materials Issued.	Wages.	Payments to Contractors, &c. Made and Allowed at Admiralty.	Gross Total, excluding Incidentals and Establishment Charges.	Value of Materials Returned.	Net Total, excluding Incidentals and Establishment Charges.	Incidental and Establishment Charges.	Total Expense, inclusive of Incidentals and Establishment Charges.	REMARKS.
					From	To										
AJAX - (Late "Vanguard.")	2nd Rate	-	-	2,609 (3,542)	9 May 1874	23 May 1874	{ Hull - Rigging and Stores Total - - - £.	£. - - -	£. 3 - 3	£. - - -	£. 3 - 3	£. - 1 1	£. 3 1 2	- - -	£. - -	Transporting to Chatham, and stores returned.
BEE - (Attached to Royal Naval College, Greenwich.)	Tender	-	10	42	1 Aug. "	15 Aug. "	Hull - - -	-	5	-	5	-	5	-	-	Docking for examination.
DRILLIANT - (Late Drill Ship for Royal Naval Reserve.)	6th Rate	17	-	954 (1,408)	21 Nov. "	16 Jan. 1875	Hull - - -	-	20	-	20	-	20	-	-	Preparing specification, &c. for roofing.
					2 May "	8 June 1874	{ Hull - Masts and Yards - Rigging and Stores Total - - - £.	7 4 85 96	4 - - 4	- - - -	11 4 85 100	- - 1 1	11 4 84 99	- - -	-	{ Mooring in harbour as a hulk for "Druid's" crew, and stores supplied.
CLIO -	Corvette	18	400 (1,509)	1,472 (2,506)	29 July "	14 Aug. "	Hull - - -	5	4	-	9	-	9	-	-	Casual repairs.
					5 Sept. "	30 Sept. "	{ Hull - Rigging and Stores Total - - - £.	- 19 19	4 - 4	- - -	4 19 23	- 73 73	4 54 50	- -	-	{ Unmooring and transporting to Chatham, stores supplied and returned.
CORNWALL - (Juvenile Reformatory, Purfleet.)	3rd Rate	-	-	1,746 (2,917)	22 Sept. "	31 Oct. "	Rigging and Stores	312	-	-	312	55	257	-	-	Stores supplied and returned.
NAVAL BARRACKS	-	-	-	-	25 Mar. "	20 Mar. 1875	Stores, &c. - - -	1,561	172	-	1,733	102	1,631	-	-	Casual repairs, supplies, and returns.
SWAN - (Cutter Ship, River Thames.)	Cutter	-	-	144	25 July "	12 Dec. 1874	{ Masts and Yards - Rigging and Stores Total - - - £.	- - -	1 1 2	- - -	1 1 2	9 54 63	9 53 64	- -	-	Stores surveyed and returned.

Yard to which the Craft is Attached.	Name and Description of Yard Craft.	Horse Power.	Tonnage.	PERIODS within which the Expense was incurred.		Detailed Head of Charge.	Value of Materials Issued.	Wages.	Payments to Con- tractors, &c. Made and Allowed at Admiralty.	Gross Total, excluding Incidental and Estab- lishment Charges.	Value of Materials Returned.	Net Total, excluding Incidental and Estab- lishment Charges.	Incidental and Estab- lishment Charges.	Total Expense, inclusive of Incidental and Estab- lishment Charges.	REMARKS.
				From	To										
DEPTFORD YARD.	No. 1 ("Steady," late Mortar Float, No. 104, for conveying Stores.)	-	103	29 Aug. 1874	12 Sept. 1874	Hull - - -	£. 6	£. 13	£. -	£. 19	£. -	£. 19	£. -	£. -	Examining and re-coating bottom.
	No. 4 ("Trusty," Mortar Float, No. 110, for conveying Stores.)	-	102	7 Oct. "	21 Nov. "	Hull - - -	£. 10	£. 29	£. -	£. 39	£. -	£. 39	£. -	£. -	ditto - ditto.
	BENBOW - (Coal Depot.)	-	1,773 (2,912)	6 April "	20 Feb. 1875	{ Hull - - - Rigging and Stores -	94 25	83 2	-	177 27	11 1	166 26	-	-	Casual repairs, supplies, and returns.
						Total - - - £.	119	85	-	204	12	192	-	-	
SHEERNESS YARD.	COLTMEINE - (Coal Depot.)	-	492 (775)	14 April "	20 Mar. "	{ Hull - - - Rigging and Stores -	67 83	104 4	-	171 87	9 18	162 69	-	-	ditto - ditto.
						Total - - - £.	150	108	-	258	27	231	-	-	
				29 Mar. "	7 May 1874	{ Hull - - - Rigging and Stores -	76 78	96 -	-	172 78	43 36	129 42	-	-	Repaired damage caused by fire and by scuttling the vessel.
						Total - - - £.	154	96	-	250	79	171	-	-	
	DIDO - (Coal Depot.)	-	734 (737)	13 June "	5 Nov. "	{ Hull - - - Masts and Yards - Rigging and Stores -	5 -	4 1	-	9 1	1 -	8 1	-	-	Casual repairs and sup- plies, &c.
						Total - - - £.	38	5	-	43	1	42	-	-	
				9 Jan. 1875	6 Feb. 1875	{ Hull - - - Rigging and Stores -	10 2	29 -	-	45 2	-	45 2	-	-	Casual repairs and sup- plies.
						Total - - - £.	18	29	-	47	-	47	-	-	

SHEERNESS DOCKYARD AND FACTORY—No. 4.—DETAILED SHIP ACCOUNT—continued.

No. 4.—STEAM TUGS, YARD CRAFT, COAL DEPÔTS, &c., BUILDING, FITTING, REFITTING, &c.—continued.

Yard to which the Craft is Attached.	Name and Description of Yard Craft.	Horse Power.	Tonnage.	PERIODS within which the Expense was incurred.		Detailed Head of Charge.	Value of Materials Issued.	Wages.	Payments to Contractors, &c. Made and Allowed at Admiralty.	Gross Total, excluding incidental and Establishment Charges.	Value of Materials Returned.	Net Total, excluding incidental and Establishment Charges.	Incidental and Establishment Charges.	Total Expense, inclusive of incidental and Establishment Charges.	REMARKS.
				From	To										
SHEERNESS YARD—continued.	DRAGON (Late Yard Craft, No. 1.)	-	83	On the 26th Feb. 1875 -		Rigging and Stores -	£. -	£. -	£. -	£. -	£. 203	£. 263	£. -	£. -	Lead ballast returned.
						Hull -	4	2	-	0	-	6	-	-	
						Rigging and Stores -	71	-	-	71	3	68	-	-	
						Total - - - £.	75	2	-	77	3	74	-	-	
				8 April 1874 22 Aug. 1871		Engines and Engineers' Fittings, Boilers and Engineers' Fittings, Engineers' Stores -	8	21	-	29	2	27	-	-	Casual repairs, supplies, and returns.
SHEERNESS YARD—continued.	LOCUST (Steam Tug.)	100	254			Total - - - £.	74	26	-	100	9	91	-	-	
						Hull -	2	1	-	3	-	3	-	-	
						Rigging and Stores -	40	-	-	40	6	34	-	-	
						Total - - - £.	42	1	-	43	6	37	-	-	ditto - ditto.
				4 Sept. " 18 Mar. 1875		Enginers' Stores -	103	-	-	103	14	89	-	-	
SHEERNESS YARD—continued.	MERCURY (Coal Depot.)	-	1,084 (1877)			Hull -	76	103	-	181	9	172	-	-	
						Masts and Yards -	-	1	-	1	-	1	-	-	
						Rigging and Stores -	141	-	-	141	38	103	-	-	ditto - ditto.
						Total - - - £.	219	104	-	323	47	270	-	-	
				8 April " 0 Jan. "		Hull -	32	30	-	71	-	71	-	-	
SHEERNESS YARD—continued.	OCEAN (Coal Depot.)	1	2,201			Rigging and Stores -	64	-	-	64	9	52	-	-	ditto - ditto.
						Total - - - £.	90	30	-	125	2	123	-	-	
						Hull -	32	30	-	71	-	71	-	-	
						Rigging and Stores -	64	-	-	64	9	52	-	-	
				8 April " 5 Feb. "		Total - - - £.	90	30	-	125	2	123	-	-	

SHERNESS
YARD—
continued.

237

OTTER -
(Steam Tug.)

25 April " 13 June 1874

Hull - - -	10	16	-	26	1	25
Rigging and Stores -	21	-	-	21	3	18
Total - - - £.	31	16	-	47	4	43
Engines and Engineers' Fittings, Engineers' Stores -	-	1	-	1	-	1
Total - - - £.	15	-	-	15	-	15
Hull - - -	31	65	-	96	11	85
Rigging and Stores -	3	5	-	8	1	7
Total - - - £.	34	70	-	104	12	92
Engines and Engineers' Fittings, Boilers and Engineers' Fittings, Engineers' Stores -	19	47	-	66	2	64
Total - - - £.	59	53	-	112	4	108
Hull - - -	6	9	-	15	-	15
Rigging and Stores -	63	-	-	63	7	56
Total - - - £.	69	9	-	78	7	71
Boilers and Engineers' Fittings, Engineers' Stores -	2	5	-	7	-	7
Total - - - £.	22	-	-	22	1	21
Hull - - -	24	5	-	29	1	28
Rigging and Stores -	1	6	-	7	-	7
Total - - - £.	15	6	-	21	5	16
Engines and Engineers' Fittings, Boilers and Engineers' Fittings, Engineers' Stores -	2	4	-	6	-	6
Total - - - £.	104	64	-	168	64	94
Engines' Stores -	24	-	-	24	2	22
Total - - - £.	130	68	-	198	66	122

7 July " 12 Sept. "

22 Sept. " 7 Dec. "

2 Jan. 1875 20 Mar. 1875

- ditto - ditto.

- ditto - ditto.

SHEERNESS
YARD—
continued.

SHEERNESS DOCKYARD AND FACTORY.—No. 4.—DETAILED SHIP ACCOUNT—continued.

No. 4.—STEAM TUGS, YARD CRAFT, COAL DEPÔTS, &c., BUILDING, FITTING, REFITTING, &c.—continued.

Yard to which the Craft is Attached.	Name and Description of Yard Craft.	Horse Power.	Tonnage.	PERIODS within which the Expense was incurred.		Detailed Head of Charge.	Value of Materials Issued.	Wages.	Payments to Con- tractors, &c. Made and Allowed at Admiralty.	Gross Total, excluding Incidental and Establish- ment Charges.	Value of Materials Returned.	Net Total, excluding Incidental and Establish- ment Charges.	Incidental and Estab- lishment Charges.	Total Expense, inclusive of Incidental and Estab- lishment Charges.	REMARKS.
				From	To										
SHEERNESS YARD— continued.	SHEERNESS - (Steam Tug.)	114	293	23 Mar. 1874	24 Oct. 1874	Hull - - - -	£. 49	£. 108	£. —	£. 157	£. 14	£. 143	£.	£.	
						Rigging and Stores - -	34	11	—	45	18	27			
						Total - - - - £.	83	119	—	202	32	170			
						Engines and Engineers' Fittings.	11	90	—	110	7	103			
				21 Nov. "	18 Mar. 1875	Boilers and Engineers' Fittings.	25	70	—	95	5	90			
						Engineers' Stores - -	73	—	—	73	—	73			
						Total - - - - £.	109	169	—	278	12	266			
						Hull - - - -	2	7	—	9	—	9			
				24 Mar. "	23 May 1874	Rigging and Stores - -	8	—	—	8	—	8			
						Total - - - - £.	10	7	—	17	—	17			
Engines and Engineers' Fittings.	1	8	—			9	1	8							
Boilers and Engineers' Fittings.	29	—	—			29	—	29							
Engineers' Stores - -	30	8	—			38	1	37							
Total - - - - £.	6	8	—			14	1	13							
Hull - - - -	1	11	—			12	—	12							
27 May "	2 Mar. 1875	Boilers and Engineers' Fittings.	—	11	—	11	—	11							
		Engineers' Stores - -	2	—	—	2	—	2							
		Total - - - - £.	3	22	—	25	—	25							
		Rigging and Stores - -	1	—	—	1	—	1							
		Engines and Engineers' Fittings.	—	1	—	1	—	1							
		Boilers and Engineers' Fittings.	2	2	—	4	—	4							
		Engineers' Stores - -	8	—	—	8	—	8							
		Total - - - - £.	10	3	—	13	—	13							
															ditto - ditto.

ditto - ditto.

No. 3 (Tank
Vessel, Schooner).

103

23 Mar. " 27 June 1874
Hull - - -
Rigging and Stores -
Total - - - £.3 3 6 6
29 - 29 23
32 3 35 29

- ditto - ditto.

No. 4 ("Royal
Escape").

110

9 Sept. " 19 Sept. 1874
Hull - - -

26 24 50 48

Casual repairs and sup-
plies, &c.No. 6 (Mooring
Lighter, No. 1).

108

7 April " 3 Oct. "
Rigging and Stores -

6 - 6 6

Casual supplies.

No. 7 (Mooring
Lighter, No. 2).

109

9 April " 6 Mar. 1875
Rigging and Stores -

1 - 1 1 1

- ditto.

No. 9 (Mooring
Lighter, No. 4).

101

2 April " 30 Dec. 1874
Hull - - -
Rigging and Stores -
Total - - - £.1 1 2 2
3 - 3 3
4 1 5 5Casual repairs and sup-
plies.No. 10 (Mooring
Lighter, No. 5).

101

30 Mar. " 1 Jan. 1875
Rigging and Stores -

30 - 30 1 29

Casual supplies and re-
turns.No. 11 (Mooring
Lighter, No. 6).

157

30 Sept. " 1 Oct. 1874
Rigging and Stores -

4 - 4 4 3

- ditto - ditto.

No. 12 (Luggage
Lighter, No. 1,
Iron).

104

13 June " 20 Jan. 1875
Hull - - -
Rigging and Stores -
Total - - - £.59 106 225 225
21 2 23 22
80 168 248 247Examining and re-coating
bottom, casual re-
pairs and supplies.No. 13 (Luggage
Lighter, No. 2,
Iron).

102

28 Mar. " 8 Aug. 1874
Hull - - -
Rigging and Stores -
Total - - - £.4 6 10 10
6 - 6 5
10 6 16 15Casual repairs, supplies,
and returns.No. 15 (Luggage
Lighter, No. 4).

106

31 Mar. " 20 Mar. "
Hull - - -
Rigging and Stores -
Total - - - £.13 56 74 74
22 3 25 24
40 59 90 98

- ditto - ditto.

No. 16 (Fire
Float, No. 1,
Iron).

82

20 June " 4 Feb. "
Hull - - -
Rigging and Stores -
Total - - - £.11 36 47 46
28 - 28 23
39 36 75 69Examining and re-coating
bottom, casual repairs,
supplies, and returns.SHEERNESS
YARD—
continued.

SHEERNESS DOCKYARD AND FACTORY.—No. 4.—DETAILED SHIP ACCOUNT—continued.

No. 4.—STEAM TUGS, YARD CRAFT, COAL DEPÔTS, &c., BUILDING, FITTING, REFITTING, &c.—continued.

Yard to which the Craft is Attached.	Name and Description of Yard Craft.	Horse Power.	Tonnage.	PERIODS within which the Expense was incurred.		Value of Materials Issued.	Wages.	Payments to Con- tractors, &c., Allowed at Admiralty.	Gross Total, excluding Incidental and Estab- lishment Charges.	Value of Materials Returned.	Net Total, excluding Incidental and Estab- lishment Charges.	Incidental and Estab- lishment Charges.	Total Expense, inclusive of Incidental and Estab- lishment Charges.	REMARKS.
				From	To									
SHEERNESS YARD— continued.	No. 19 (Tank Vessel).	-	20	4 April 1874	2 May 1874	£. 1 2 3	£. 2 — 2	£. — — —	£. 3 2 5	£. — — —	£. 3 2 5	£. — — —	£. — — —	Casual repairs and sup- plies.
				6 July "	16 Jan. 1875	— 15 15	3 1 4	— — —	3 16 19	— 6 6	3 10 13	— — —	— — —	Casual repairs, supplies, and returns.
	No. 21 ("Man- œuvre" Barge).	-	148	26 Nov. "	13 Mar. "	197 1 198	262 5 267	— — —	459 6 465	94 — 94	365 6 371	— — —	— — —	Examining and re-coating bottom.
	No. 23 (Mooring Lighter, Iron).	-	103	20 June "	23 Oct. 1874	2	7	—	9	—	9	—	—	Examining and re-coating bottom.
	No. 24 (Mooring Lighter, Iron).	-	103	22 Aug. "	29 Aug. "	3	4	—	7	—	7	—	—	Examining and re-coating bottom.
				13 April "	5 Sept. "	21 14 35	80 1 81	— — —	101 15 116	2 1 3	99 14 113	— — —	— — —	Casual repairs and sup- plies.
	No. 25 (Luggage Lighter, No. 5, Iron).	-	104	6 Oct. "	5 Dec. "	— 2 2	3 — 3	— — —	3 2 5	— — —	3 2 5	— — —	— — —	Casual repairs and sup- plies.
	No. 26 (Luggage Lighter, No. 6).	-	104	18 July "	13 Jan. 1875	3 14 17	5 — 5	— — —	8 14 22	— 2 2	8 12 20	— — —	— — —	Examining and re-coating bottom. Casual sup- plies and returns.
	No. 27 (Lump No. 1).	-	162	22 April "	1 Jan. "	2 26 28	1 — 1	— — —	3 26 29	— 3 3	3 23 26	— — —	— — —	Casual repairs, supplies, and returns.
	No. 29 (Mooring Lighter).	-	209	23 Mar. "	1 Jan. "	21 15 36	48 — 48	— — —	69 15 84	— — —	69 15 84	— — —	— — —	Casual repairs and sup- plies.

PORTSMOUTH YARD.	FALMOUTH (Late Woolwich Yard Craft, No. 1.)	FANNY (Late Woolwich Yard Craft, No. 14.)	HAMOAZE (Lighter.)	MARY (Late Yard Craft, No. 3.)	ROYAL VICTORIA YARD.	No. 2 ("Louisa")	No. 7 (Mooring Lighter).	No. 160	On the 4th June 1874 -	Rigging and Stores	1	—	—	1	—	—	—	—	Casual supplies.
								168	On the 19th Dec. 1874 -	Rigging and Stores	1	—	—	1	—	—	—	—	ditto.
								153	On the 13th Feb. 1875 -	Rigging and Stores	1	—	—	1	—	—	—	—	ditto.
								78	On the 11th April 1874 -	Rigging and Stores	—	1	—	1	—	—	—	—	Recovering anchor.
								81	22 Sept. 1874 28 Nov. 1874	Masts and Yards	32	10	—	42	12	30	—	—	Making main boom.
								102	19 Aug. " 12 Sept. "	Hull Rigging and Stores	7 3	16 —	— —	23 3	— —	23 3	— —	— —	Examining and re-coating bottom, and casual sup- plies.
										Total - - - £.	10	16	—	26	—	23	—	—	
										Hull - - -	887	1,471	—	2,358	199	2,159	—	—	
										Masts and Yards -	33	13	—	46	12	34	—	—	
										Rigging and Stores -	985	41	—	1,026	488	588	—	—	
										TOTAL - - - £.	1,905	1,525	—	3,430	649	2,781	—	—	See Abstract (p. 217).
										Engines and Engineers' Fittings.	42	192	—	254	12	222	—	—	
										Boilers and Engineers' Fittings.	136	153	—	239	71	218	—	—	
										Engineers' Stores -	379	—	—	379	24	353	—	—	
										TOTAL - - - £.	557	345	—	902	107	795	—	—	

No. 5.—SHIPS AND VESSELS BREAKING UP.

NAME OF SHIP.	Rate or Class of Ship.	Number of Guns.	Horse Power.	Tonnage.	PERIODS within which the Expense was incurred.		Value of Materials Issued.	Wages.	Payments to Con- tractors, &c. Made and Allowed at Admiralty.	Gross Total, excluding Incidental and Estab- lishment Charges.	Value of Materials Returned.	Net Total, excluding Incidental and Estab- lishment Charges.	Incidental and Estab- lishment Charges.	Total Expense, inclusive of Incidental and Estab- lishment Charges.	REMARKS.
					From	To									
BEE	Tender	—	10	42 {	July 1874	9 Sept. 1874	£.	£.	£.	£.	£.	£.	£.	£.	Value of engines taken out and fitted on shore at the Royal Naval College, Greenwich.
LEE	Gun Vessel	5	80 (322)	431 (570)	9 Feb. 1875	20 Mar. 1875	—	—	*214	214	2,020	4,806	—	—	Returns from breaking up.
SWAN	Cutler	—	—	144	1 Dec. 1874	20 Mar. "	—	—	*71	71	307	236	—	—	* Expenditure incurred in breaking up.
WATCH VESSEL, No. 19.	Mortar Ves- sel.	—	—	167	27 Mar. "	30 June 1874	—	—	*64	64	256	492	—	—	
WELLESLEY	4th Rate	1	—	1,751 (2,504)	13 Nov. "	20 Mar. 1875	—	—	*872	872	4,474	3,602	—	—	
							—	—	1,237	1,237	7,193	5,956	—	—	See Abstract (p. 217).
							—	—	—	—	50	50	—	—	

ABSTRACT.

Page.	DESCRIPTION.	Detailed Head of Charge.	Value of Materials Issued.	Wages.	Payments to Contractors, &c. Made and Allowed at Admiralty.	Gross Total, excluding Incidentals and Establishment Charges.	Value of Materials Returned.	Net Total, excluding Incidentals and Establishment Charges.	Incidental and Establishment Charges.	Total Expense, inclusive of Incidentals and Establishment Charges.
185	No. 1.—Ships Building and Completing for Sea Service.	Not Iron Clad	Hull - - - - - £. 27,265 Masts and Yards - - - - - 1,074 Rigging and Stores - - - - - 1,150 Engines and Engineers' Fittings - - - - - 70 Boilers and Engineers' Fittings - - - - - 30 Engineers' Stores - - - - - 94 TOTAL - - - - - £. 48,612	£. 29,604 1,074 1,150 70 30 —	— — 17,850 — — —	£. 58,869 3,043 15,397 18,104 26 94	£. 4,955 187 251 — — —	£. 52,614 2,856 15,146 18,104 26 94	£. 21,664 — — — — —	£. 110,554 — — — — —
186	Iron Clads built by Contract.	Hull - - - - - Rigging and Stores - - - - - Engineers' Stores - - - - - TOTAL - - - - - £.	— 47 1 48	15 — — 15	— — — —	15 47 1 63	— — — —	15 47 1 63	12 — — 12	75 — — 75
187	Iron Clads built in Her Majesty's Dockyards.	Hull - - - - - Masts and Yards - - - - - Rigging and Stores - - - - - Engines and Engineers' Fittings - - - - - Boilers and Engineers' Fittings - - - - - Engineers' Stores - - - - - TOTAL - - - - - £.	167 — 1,000 7 10 275 2,059	294 13 17 27 — 359	— — — — — —	461 2 1,019 24 37 275 2,418	20 — 303 — — 13 386	441 2 1,316 24 37 292 2,082	— — 342 — — — —	2,424 — — — — — 2,424
199	Not Iron Clad	Hull - - - - - Masts and Yards - - - - - Rigging and Stores - - - - - Engines and Engineers' Fittings - - - - - Boilers and Engineers' Fittings - - - - - Engineers' Stores - - - - - TOTAL - - - - - £.	4,911 698 17,598 507 360 4,150 28,134	5,555 888 631 757 728 2 8,561	— — — 99 — — 99	10,466 1,586 18,159 1,963 1,088 4,152 36,814	1,718 330 11,302 147 68 1,122 14,587	8,748 1,256 6,957 1,216 1,030 3,030 22,257	7,387 — — — — — —	29,614 — — — — — 29,614

TOTAL, No. 2. In Commission - - - £. 32,113

SHEERNESS DOCKYARD

No.

DOCKYARD CHARGES INCIDENTAL TO

Dr.

To INCOME ACCOUNT (p. 179):—

For Amounts shown against the Services in the Detailed Account annexed, viz.:—

	£.	£.
Salaries, &c. - - - - -	8,963	
Rent, Rates, Taxes, and Water - - - - -	173	
Lighting with Gas - - - - -	919	
Contingencies - - - - -	602	
Wages to Artificers, &c., including Wages, Yard Service Afloat, Hire of Teams - - - - -	19,544	
Wages, Police Force - - - - -	1,252	
Freight and sundry Expenses connected with Naval Stores - - - - -	186	
Estimated Current Charge for Deferred Annuities, equal to 7 per cent. on the Salaries to Dockyard Officers, and Wages paid to Established Workmen, on account of the prospect of Pensions on their Retirement - - - - -	4,524	
Repairs, Replacements, &c. of Buildings, Docks, &c. - - - - -	6,278	
Contingencies (Works and Repairs) - - - - -	729	
Dredging in connection with Dockyard - - - - -	602	
Repairs, Replacements, &c. of Plant (Machinery) - - - - -	3,143	
		46,915

To CAPITAL ACCOUNT (p. 182):—

For Value of Stores drawn for the Services named in the Detailed Account - - - - - 11,169

To CONVERSIONS (p. 227):

For Amount of the Excess Cost of Manufactured Produce over the Value at which it has been charged to Stock for subsequent Issue - - - - - 408

To OTHER YARDS (p. 229):—

For Proportion of Cost of Shipment, at the following Yards, of Stores received at Sheerness Yard, viz.:—

	£.	
Deptford - - - - -	235	
Chatham - - - - -	364	
Portsmouth - - - - -	174	
Devonport - - - - -	45	
Pembroke - - - - -	2	
Foreign Yards - - - - -	5	
		825
	£.	59,317

AND FACTORY.**5.****SHIP BUILDING, EQUIPPING, &c.****Cr.****By INCOME ACCOUNT (p. 183):—****£.**

For Value of Materials returned into Store - - - - - 2,629

By OTHER THAN DOCKYARD SERVICES (p. 225):—

For Proportion of Incidental and Establishment Charges on Materials issued to, and returned from, and on Labour employed on account of other Branches of the Naval Service, other Departments of Government, Private Individuals, &c. - - - - - 4,559

By CONVERSIONS (p. 227):—

For Excess of Value at which Manufactured Produce has been charged to Stock for subsequent Issue, over the Cost thereof - - - - - 1,256

By OTHER YARDS (p. 229):—

For Cost of Shipment of Stores to the following Yards, viz.:—

£.

Deptford - - - - - 85

Chatham - - - - - 308

Portsmouth - - - - - 47

Devonport - - - - - 16

Pembroke - - - - - 4

Foreign Yards - - - - - 17

477**By SHIPS (p. 183):—**For Amount of Net Expenditure appropriated *pro rata* to Sub-Heads of Ships Building, &c. Account 50,396**£.****59,317**

SHEERNESS DOCKYARD AND FACTORY.—No. 5—continued.

DETAILED ACCOUNT of DOCKYARD CHARGES incidental to SHIP BUILDING, EQUIPPING, &c.

DETAILED HEAD OF CHARGE.	DEBITS.				CREDITS.			Net Amount Chargeable.
	Payments for Salaries, Rents, Contingencies, and other Charges.	Wages.	Materials Issued.	TOTAL.	Materials Returned.	Expense of Shipping Stores to other Yards, and other Credits.	TOTAL.	
	£.	£.	£.	£.	£.	£.	£.	£.
Opening and shutting dock gates and penstocks, floating and sinking caissons, and pumping docks; <i>except</i> when it has been possible to charge the expense direct to the ship on account of which it is incurred - - - - -	-	460	374	834	-	-	-	834
Transporting hawsers, launching rope gear, rope for guys and stages, blocks, planks, bilgeways, cleats, timber, &c., for launching and docking ships, shores, spauls, stage deals, launching booths, floating stages of all kinds, wedges, harpins, and ribands, blocks under new ships, brows, temporary ladders for, and housing over, ships, &c., screws for securing plank, &c.; <i>except</i> when it has been possible to charge the expense direct to the ship on account of which it is incurred - - - - -	-	490	2,882	3,372	776	-	776	2,596
Replacement and maintenance of yard boats - - - - -	-	75	163	238	31	-	31	207
Crabs, winches, carts, waggons, timber carriages, sledges, barrows, ladders, &c. - - - - -	-	246	195	441	78	-	78	363
Materials and labour (including pay of draughtsmen and modellers) for mould lofts; <i>except</i> when it is possible to charge the expense direct to the ship on account of which it is incurred - - - - -	-	324	77	401	16	-	16	385
Loan tool store, including repairs and replacement of tools for general service of the yard, but not for conversion shops - - - - -	-	777	1,145	1,922	247	-	247	1,675
Fire-engines, buckets, hoses, and other gear connected therewith, including expenses in connection with their use: share of - - - - -	-	28	36	64	9	-	9	55
Collecting old timber, chips, and stores for sale, and cleaning and clearing the yard and docks - - - - -	-	920	53	973	378	-	378	595
Coals, candles, furniture, and other stores for officers' offices, and expenses connected with workmen's dining rooms - - - - -	-	223	346	569	29	-	29	540
Wages of all single stationed men and boats' crews, to include draughtsmen (except those in the mould loft), writers (except writers at Ropery and manufacturing writers at other shops, whose pay is charged thereto), Signalmen, Messengers, Postmen, Labourers, and Boys employed on general duties, not chargeable to any other detailed head of service; also petty stores used in connection with services on which these men are employed; but not including any expenses which could be charged to any specific ship or service: share of - - - - -	-	2,972	106	3,078	5	-	5	3,073
Allowances for apprentices' instructors - - - - -	-	482	-	482	-	-	-	482
Wages of apprentices whilst at school, and board wages to apprentices when sick - - - - -	-	263	-	263	-	-	-	263
Hurt money, including half-pay of yard craft men when sick - - - - -	-	439	-	439	-	-	-	439
Other miscellaneous charges - - - - -	-	3,369	3,538	6,907	4	-	4	6,903
Docks, slips, and basins, including housings over docks and slips, sheds, workshops, caissons, timber racks, temporary roofs, and all other buildings; and waterworks for supplying the yard and for extinguishing fire; repairs, replacements, and maintenance of - - - - -	6,278	-	-	6,278	-	-	-	6,278
Contingencies (Works and Repairs) - - - - -	729	-	-	729	-	-	-	729
Dredging in connection with Dockyard - - - - -	602	-	-	602	-	-	-	602
Machinery for the general service of the yard and factory; cranes, capstans, steam hoists, &c.; repairs, replacements, and maintenance of - - - - -	3,143	-	-	3,143	-	-	-	3,143
Salaries of Superintendent, Retinue, and Clerks: share of - - - - -	-	-	-	-	-	-	-	-
" Master Attendant, Assistant to Master Attendant, Harbour Master, Master Sailmaker, Master Rigger, Master Ropemaker, Foreman of Rope-makers, Foreman of Line Spinners, Layer in the Rope Yard, and Clerks: share of - - - - -	-	-	-	-	-	-	-	-
" Master Shipwright, Assistant Master Shipwright, Timber Inspector, Boatswain, Master Smith, Foremen, Converter of Timber, Inspectors, and Clerks: share of - - - - -	8,963	-	-	8,963	-	-	-	8,963
" Chief Engineer and Inspector of Machinery, Assistant Engineer, Conductor of Metal Mills, Assistant Inspector of Steam Machinery, Foremen, Engineer and Millwright, and Clerks - - - - -	-	-	-	-	-	-	-	-
" Storekeeper, Foremen of Storehouses, and Clerks: share of - - - - -	-	-	-	-	-	-	-	-
" Accountant, Inspector of Stores, and Clerks: share of - - - - -	-	-	-	-	-	-	-	-
" Cashier, Timekeeper, and Clerks: share of - - - - -	-	-	-	-	-	-	-	-

SHEERNESS DOCKYARD AND FACTORY.—No. 5—continued.

DETAILED ACCOUNT of Dockyard Charges incidental to Ship Building, Equipping, &c.—continued.

DETAILED HEAD OF CHARGE.	DEBITS.				CREDITS.			Net Amount Chargeable.
	Payments for Salaries, Rents, Contingencies, and other Charges.	Wages.	Materials Issued.	TOTAL.	Materials Returned.	Expense of Shipping Stores to other Yards, and other Credits.	TOTAL.	
Addition of 7 per cent. to the foregoing salaries, on account of the prospect of pensions on retirement to those Dockyard Officers who are entitled to the same	£. 554	£. -	£. -	£. 554	£. -	£. -	£. -	£. 554
Rents, rates, taxes, and water	173	-	-	173	-	-	-	173
Lighting with gas	919	-	-	919	-	-	-	919
Contingencies	602	-	-	602	-	-	-	602
Wages, police force; share of	1,252	-	-	1,252	-	-	-	1,252
Addition of 7 per cent. to the wages of established workmen, on account of the prospect of pensions on their retirement	3,970	-	-	3,970	-	-	-	3,970
TOTAL, Incidental and Establishment Charges, distributable <i>pro rata</i> on Wages, being at the rate of 59·38 per cent.	£. 27,185	11,068	8,915	47,168	1,573	-	1,573	45,595
Landing, surveying, receiving, depositing, and issuing timber	-	1,930	60	1,990	8	-	8	1,982
Landing, surveying, receiving, depositing, and issuing stores	-	4,871	738	5,609	283	-	283	5,326
Continuous survey, and survey valuation of stock	-	59	-	59	-	-	-	59
Occasional survey of stores	-	78	-	78	-	-	-	78
Shipping off timber and stores to other yards at home and abroad (including the cost of packing cases and casks <i>only</i> when new, and <i>only</i> at the yards shipping the stores)	-	445	32	477	-	-	-	477
Preservation of timber, boats, and other stores	-	720	1,361	2,081	757	-	757	1,324
Wages of crews of sailing lighters, sheer hulks, and small craft when not employed on services provided for under other specific heads in these accounts	-	357	-	357	-	-	-	357
Other miscellaneous charges	-	12	1	13	-	-	-	13
Freight and sundry expenses connected with naval stores	186	-	-	186	-	-	-	186
Expenses incurred at other yards, &c., shipping stores to Sheerness	825	-	-	825	-	-	-	825
Cost of manufactured produce in excess of Rate Book value	408	-	-	408	-	-	-	408
Cost of manufactured produce less than Rate Book value	-	-	-	-	-	1,256	1,256	1,256
Expenses incurred at Sheerness shipping off stores to other yards	-	-	-	-	-	477	477	477
TOTAL, Incidental and Establishment Charges, distributable <i>pro rata</i> on Materials, being at the rate of 5·38 per cent.	£. 1,419	8,472	2,192	12,083	1,048	1,733	2,781	9,302
Petty stores for steam and sailing ships and vessels in the reserves, distributable <i>pro rata</i> on tonnage of ships in the reserves	-	4	62	66	8	-	8	58
TOTAL - - - £.	28,604	19,544	11,169	59,317	2,629	1,733	4,362	54,955

DISTRIBUTION OF THE ABOVE.

	Amount.	Amount on which Charged.		Rate per cent.
	£.	Page.	£.	£.
Amount distributable <i>pro rata</i> on Labour, charged direct to Ships	41,782	183	70,362	59·38
Amount on Materials issued to and returned from Ships	8,556	183	158,824	5·38
Amount on Tonnage of Ships in the Reserves	58	-	-	-
TOTAL due to Ships - - - £.	50,396			
Amount on Labour charged direct to other Branches of the Naval Service, other Departments of Government, Private Individuals, &c.	3,813	226	6,413	59·38
Amount on Materials issued to, and returned from, other Branches of the Naval Service, other Departments of Government, Private Individuals, &c.	746	226	13,848	5·38
TOTAL due to other Branches of the Naval Service, other Departments of Government, &c.	4,559			
GRAND TOTAL, Incidental and Establishment Charges - - - £.	54,955			

SHEERNESS DOCKYARD AND FACTORY.—No. 6—*continued.*

DETAILED ACCOUNT of HARBOUR and DOCKYARD NATIONAL CHARGES.

DETAILED HEAD OF CHARGE.	DEBITS.				CREDITS.	Net Amount Chargeable.
	Payments for Salaries, Rents, Contingencies, and other Charges.	Wages.	Materials Issued.	TOTAL.	Materials Returned.	
Harbour and Dockyard Gear: viz., cables, pendants, chains, swivels, bridles, and buoys - - - - -	£. -	£. 806	£. 1,840	£. 2,646	£. 519	£. 2,127
Moorings at other Ports - - - - -	-	162	199	361	18	343
Fire engines, buckets, hoses, and other gear connected therewith, including expenses connected with their use: share of -	-	29	37	66	9	57
Dockyard chapel, chemical lecture room and laboratory, school for apprentices, police station and military guard room (labour and petty stores) - - - - -	-	99	177	276	77	199
Experimental services, chargeable to Vote 10, Sec. II., of Navy Estimates (for Details, <i>see</i> p. 694) - - - - -	226	-	-	226	-	226
Wages of all single stationed men and boats' crews, to include draughtsmen (except those in the mould loft), writers (except writers at Ropery and manufacturing writers at other shops whose pay is charged thereto), Signalmen, Messengers, Postmen, Labourers, and Boys employed on general duties, not chargeable to any other detailed head of service; also petty stores used in connection with services on which these men are employed, but not including any expenses which could be charged to any specific ship or service: share of - - - - -	-	2,973	106	3,079	4	3,075
Allowances for scholarships, and wages, allowances, &c., of Students at Greenwich - - - - -	-	15	-	15	-	15
Holidays - - - - -	-	1,512	-	1,512	-	1,512
Preliminary arrangements for Sale of Surplus Timber, &c. -	-	216	-	216	-	216
Preliminary arrangements for Sale of Surplus Stores, &c. -	-	-	-	-	-	-
Wages of crews of steam tugs and mooring lighters when not employed on Services provided for under other Specific Heads in these Accounts - - - - -	-	3,761	-	3,761	-	3,761
Other miscellaneous charges - - - - -	-	1,215	39	1,254	3	1,251
Salaries of Superintendent, Retinue, and Clerks: share of -	6,801	-	-	6,801	-	6,801
" Master Attendant, Assistant to Master Attendant, Harbour Master, Master Sailmaker, Master Rigger, Master Ropemaker, Foreman of Ropemakers, Foreman of Line Spinners, Layer in the Rope Yard, and Clerks: share of - - - - -						
" Master Shipwright, Assistant Master Shipwright, Timber Inspector, Boatswain, Master Smith, Foremen, Converter of Timber, Inspectors, and Clerks: share of - - - - -						
" Storekeeper, Foremen of Storehouses, and Clerks: share of - - - - -						
" Accountant, Inspector of Stores, and Clerks: share of - - - - -						
" Cashier, Timekeeper, and Clerks: share of - - -						
" Superintending Civil Engineer, Clerk of Works, Clerk and Accountant, Clerk and Draughtsman, and Foreman of Works - - - - -						
" Surgeons and Assistant Surgeons - - - - -	418	-	-	418	-	418
" Chaplain, Schoolmaster, &c. - - - - -						
Addition of 7 per cent. to the foregoing salaries, on account of the prospect of pensions on retirement to those dockyard officers who are entitled to the same - - - - -						
Wages, police force: share of - - - - -	1,252	-	-	1,252	-	1,252
Temporary Superintendence, &c. of Engineering and Architectural Works and Repairs - - - - -	290	-	-	290	-	290
TOTAL Harbour and Dockyard National Charges - £.	8,987	10,788	2,398	22,173	630	21,543

SHEERNESS DOCKYARD AND FACTORY.

No. 7.

DEPRECIATION AND APPRECIATION ACCOUNT.

Cr.

Dr.

To CAPITAL ACCOUNT (p. 182):—		£.	£.	By INCOME ACCOUNT (p. 180):—		£.	£.
For Value of Stores drawn from Stock on Survey:				For Value of Stores returned to Stock after Survey:			
Timber	-	1,689		Timber	-	1,295	
Stores	-	9,964		Stores	-	5,472	
	-				-		
For Decrease in the Value of Stock on Annual Re-valuation:				For Increase in the Value of Stock on Annual Re-valuation:			
Timber	-	—		Timber	-	—	
Stores	-	28,066		Stores	-	43,042	
	-				-		
For Approximate Value of Stock found Deficient on Continuous Survey:				For Approximate Value of Stock found Surplus on Continuous Survey:			
Timber	-	18		Timber	-	11	
Stores	-	1,966		Stores	-	1,962	
	-				-		
	-			For Value of Lost Articles recovered by the Police, &c.	-	77	
	-				-		51,859
	-				-		
For Value of Stores drawn from Stock on Sale:				For Proceeds of Sale (Cash not shown in Stock Valuation Account):			
Timber	-	2,611		Timber	-	2,055	
Stores	-	7,660		Stores	-	6,945	
	-				-		9,000
	-		51,969		-		
	-			By BALANCE ACCOUNT (p. 230):—			
	-			For Net Charge on Account of—			
	-			Loss by Surveys of Timber	-	£. 396	
	-			Loss by Sales:			
	-			Timber	-	556	
	-			Stores	-	715	
	-			Loss in the Value of Plant (Buildings)	-	9,880	
	-		9,880		-		
For Deterioration in the Value of Plant (Buildings)				Less Gain by Surveys of Stores	-	10,480	
	-			" " by value of Articles recovered by Police, &c.	-	77	
	-				-		990
	-				-	10,557	
	-				-		£. 61,849
	-		£. 61,849		-		

SHEERNESS DOCKYARD AND FACTORY.

No. 8.

OTHER THAN DOCKYARD SERVICES—

Dr. Supplies to, or Work for, other Branches of the Naval Service, other Departments of Government, Foreign Governments, Private Individuals, &c. *Cr.*

To INCOME ACCOUNT (p. 181):		£.	£.	
For Expenditure during the Year, viz.:—				
Wages to Artificers, &c., not chargeable to Vote 6	6,879			
Ditto - - - charged to Vote 6	54			
		6,933		
To CAPITAL ACCOUNT (p. 182):				
For Value of Gross Issues of Stores, as per Detailed Account		11,405		
To DOCKYARD CHARGES INCIDENTAL TO SHIP BUILDING, EQUIPPING, &c. (p. 219):				
For Proportion of Incidental and Establishment Charges on Materials issued to, and returned from, and on Labour employed on account of other Branches of the Naval Service, other Departments of Government, Private Individuals, &c.		4,559		
		22,897		
By INCOME ACCOUNT (p. 180):				£.
For Value of Materials returned into Store				4,987
By BALANCE ACCOUNT (p. 230):				
For Net Charges to Services for the Financial Year 1874-75, not pertaining to Dockyards				17,910
				22,897

SHEERNESS DOCKYARD AND FACTORY.—No. 8—continued.

DETAILED ACCOUNT of other than DOCKYARD SERVICES—Supplies to, or Work for, other Branches of the Naval Service, other Departments of Government, Foreign Governments, Private Individuals, &c.

DESCRIPTION or SERVICE.	DEBITS.				CREDITS.	Net Charge to Services not pertaining to Dockyards.
	Wages.	Materials Issued.	Per-centage and other Charges on Supplies, for use of Plant, &c., and other Charges.	TOTAL.	Materials Returned.	
	£.	£.	£.	£.	£.	£.
Furniture for the residence and office of the Port Admiral, Secretary, &c. (Vote No. 14) - - - - - }	14	55	-	69	21	48
Furniture for the residence of the Superintendent or other Officer of the Dockyard and other Naval Establishments upon which per-centage is paid (New Regulations) - - - - - }	-	1,009	-	1,009	1,068	59
Plate, Linen, &c., supplied to Flag Officers in command, and to Officers in command of Her Majesty's Ships, on condition of its value being repaid - - - - - }	-	958	-	958	806	92
New Machinery, &c. for Workshops and the general use of the Yard (Vote No. 11)—Dockyard or Factory Labour and Ma- terials, when not chargeable to Contractors - - - - - }	-	1,963	-	1,963	281	1,682
New Buildings, &c. (Vote No. 11)—Dockyard or Factory Labour and Materials, when not chargeable to Contractors - - - - - }	-	756	-	756	676	80
Value of Stores supplied to, and Labour employed on account of, "Other Branches of the Naval Service," not chargeable to the Votes for Dockyard Services - - - - - }	4,084	2,324	-	6,408	1,149	5,259
Value of Stores supplied to, and Labour employed on account of, "Other Departments of Government" - - - - - }	2,439	2,178	-	4,617	145	4,472
Value of Stores supplied to, and Labour employed on account of, Private Individuals and Contractors for Vessels and New Works - - - - - }	351	1,120	-	1,471	711	760
Value of Stores supplied to, and Labour employed on account of, Coast Guard Stations on Shore - - - - - }	45	1,042	-	1,087	70	1,017
Proportion of Incidental and Establishment Charges on Materials issued to, and returned from, and on Labour employed on account of other Branches of the Naval Service, other De- partments of Government, Private Individuals, &c. - - - }	-	-	4,559	4,559	-	4,559
£.	6,933	11,405	4,559	22,897	4,987	17,910

	Labour.	Materials.		
		Issued.	Returned.	Total (Issued and Returned).
	£.	£.	£.	£.
Total Amounts charged direct to Other than Dockyard Services - - - - -	6,933	11,405	4,987	16,392
Abate.—The Cost of Repairs, Replacements, and Maintenance of Docks, Slips, &c., and of Yard Machinery, &c. (Issues and Returns, excluding Labour) - - - - - }	-	1,645	277	1,922
Abate.—The Value of Coals charged under the various Items of Other than Dockyard Services - - - - -	-	622	-	622
Abate.—The Wages of Men Superintending Ships Building by Contract, &c. - - - - - }	1,762	-	-	-
	5,171	9,138	4,710	13,848
Add.—The Wages of Men employed on New Buildings, &c. for the Dockyard or Factory - - - - -	1,150	-	-	-
Add.—The Wages of Men employed on Experimental Services - - - - -	92	-	-	-
	6,413	9,138	4,710	13,848
TOTAL Amounts upon which Incidental and Establishment Charges are } distributed (see p. 221) - - - - - }	£.			

SHEERNESS DOCKYARD AND FACTORY.

No. 9. CONVERSIONS.

Dr.		CONVERSIONS.		Cr.	
	£.		£.		£.
TO INCOME ACCOUNT (p. 181):—		By INCOME ACCOUNT (p. 180):—			
For Expenditure during the Year, viz.:—		For Value of Returns of Manufactured Produce	39,470		
Wages to Artificers, &c., including Hire of Teams, &c.	8,171	For Value of unconsumed Material and Work in hand at the end of the Year	13,664		53,134
TO CAPITAL ACCOUNT (p. 182):—		By DOCKYARD CHARGES INCIDENTAL TO SHIP BUILDING, EQUIPPING, &c. (p. 214):—			
For Value of Gross Issues of Stores	44,115	For Excess of Cost of Manufactured Produce over the Value at which it has been charged to Stock for subsequent Issue		408	
TO DOCKYARD CHARGES INCIDENTAL TO SHIP BUILDING, EQUIPPING, &c. (p. 219):—					
For Excess of Value at which Manufactured Produce has been returned to Stock for subsequent Issue over the Cost thereof	1,256				
	53,542				53,542

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SHEERNESS DOCKYARD AND FACTORY.—No. 9—continued.

DETAILED ACCOUNT of CONVERSIONS.

NAME OF CONVERSION ACCOUNT.	DEBITS.			CREDITS.		
	Wages.	Materials Issued.	Excess of Value at which Produce is Returned over the Actual Cost.	Value of Manufactured Produce.	Value of other Returns.	Excess of Actual Cost over Value at which Produce is Returned.
	£.	£.	£.	£.	£.	£.
Saw Mills - - - - -	337	4,432	-	4,570	117	82
Ropery - - - - -	133	1,557	-	1,540	130	20
Rigging House - - - - -	533	1,925	113	2,262	309	-
Sail Loft - - - - -	1,054	4,849	-	5,422	429	52
Colour Loft - - - - -	102	810	57	849	120	-
Smithery - - - - -	560	4,657	345	4,768	794	-
Mast House - - - - -	556	1,279	-	1,640	175	20
Boat Houses - - - - -	46	1,285	-	1,267	59	5
Blockmakers' Shop - - - - -	168	455	72	655	40	-
Oakum and Pitch-heating Houses, &c. - - - - -	47	589	-	347	284	5
Joiners' Shop - - - - -	125	374	-	456	30	13
Turners' Shop - - - - -	12	29	-	40	-	1
Wheelwrights' Shop - - - - -	28	52	8	84	4	-
Locksmiths', Braziers', and Tinmen's Shop - - - - -	84	285	60	421	8	-
Hosemakers' Shop - - - - -	87	712	66	792	73	-
Plumbers' Shop - - - - -	5	78	27	108	2	-
Painters' Shop - - - - -	75	2,140	27	1,174	1,068	-
Galvanizing Shop - - - - -	113	310	-	312	101	10
Boiler Smithery - - - - -	35	86	20	131	10	-
Iron Foundry - - - - -	482	1,851	-	1,922	307	104
Brass Foundry - - - - -	796	3,665	174	4,476	159	-
Coppersmiths' Shop - - - - -	393	3,503	-	2,754	1,048	94
Fitting Shop - - - - -	663	2,055	245	2,590	373	-
Boiler Shop - - - - -	1,723	7,101	42	844	8,022	-
Pattern Shop - - - - -	14	36	-	46	2	2
£.	8,171	44,115	1,256	39,470	13,664	408
Dr. - £. 53,542.				Cr. - £. 53,542.		

Note.—For Details of Manufactures at each Shop, see Manufacturing Accounts for 1874-75 (Parliamentary Paper, No. 182, Session 1876).

No. 10.

O T H E R Y A R D S.

Dr.

Cr.

To CAPITAL ACCOUNT (p. 182) :—		£.	£.	By INCOME ACCOUNT (p. 180) :—		£.	£.
For Value of Gross Issues of Stores, per Bills of Lading, to be accounted for at the following Yards, viz. :—				For Value of Stores received, per Bills of Lading, from—			
Deptford	-	-	9,081	Deptford	-	6,527	
Chatham	-	-	32,746	Chatham	-	33,534	
Portsmouth	-	-	4,944	Portsmouth	-	5,426	
Devonport	-	-	1,714	Devonport	-	2,065	
Pembroke	-	-	396	Pembroke	-	3	
Foreign Yards	-	-	1,850	Foreign Yards	-	876	48,431
			50,731	By DOCKYARD CHARGES INCIDENTAL TO SHIP BUILDING, EQUIPPING, &c. (p. 218) :—			
To DOCKYARD CHARGES INCIDENTAL TO SHIP BUILDING, EQUIPPING, &c. (p. 219) :—				For Proportion of the Cost of Shipment, at the following Yards, of Stores received at Sheerness Yard, viz. :—			
For Cost of Shipment of Stores to the following Yards, to be there accounted for, viz. :—				Deptford	-	235	
Deptford	-	-	85	Chatham	-	364	
Chatham	-	-	308	Portsmouth	-	174	
Portsmouth	-	-	47	Devonport	-	45	
Devonport	-	-	16	Pembroke	-	2	
Pembroke	-	-	4	Foreign Yards	-	5	825
Foreign Yards	-	-	17				49,256
			477	By BALANCE ACCOUNT (p. 230) :—			
				For Surplus of Issues to, over Receipts from, other Yards, including Cost of Shipment -			1,952
			£.				51,208
			51,208				

SHEERNESS DOCKYARD AND FACTORY.

No. 11.
BALANCE ACCOUNT.

Cr.

Dr.		£.		£.		Cr.		£.	
To INCOME ACCOUNT (p. 182):						By INCOME ACCOUNT (pp. 178 and 180):			
For adjusting Entry on account of Value of Stores taken on charge by Storekeeper prior to this Financial Year, but paid for in this Year		1,234				For Expenditure, per Statement of the Surpluses and Deficits, Votes 6, 10, and 11		232,631	
For Payments to the Exchequer of Proceeds of Sale of Old Stores, &c.		9,000		10,234		Vote 16.— For Estimated Current Charge for Deferred Annuities		4,942	
To CAPITAL ACCOUNT (p. 177):						For adjusting Entry, principally consisting of the Value of Stores paid for by other Departments, &c., and consequently not appearing as a final Financial Charge to Vote 10, Sect. I.		6,354	
For Value of Coals issued to Ships for Steaming Purposes, and Wages for Coaling		9,892				For Amounts for Services other than those pertaining to Dockyards		6,879	
For Value of Materials issued to Contractors for Re-manufacture		587		10,479		For Stores taken on charge by Storekeeper, and debited to the Stock up to the last day of the Financial Year, but not paid for in the Year		1,507	
For Balance carried to next Year's Account, viz.:—						For Payments made last Year for Boilers received and taken on charge by the Storekeeper in this Year		5,940	
Value of Land		4,525				By CAPITAL ACCOUNT (p. 182):			
" Buildings		978,084				For Balance from last Year, as per Detailed Account, viz.:—			
" Machinery		82,699				Value of Land		4,525	
" Stock		336,382				" Buildings		986,964	
To SHIPS (p. 183):				1,401,690		" Machinery		81,545	
For Net Expenditure charged to Ships in the Year						" Stock		355,831	
To HARBOUR AND DOCKYARD NATIONAL CHARGES (p. 222):				222,320		By OTHER YARDS (p. 229):			
For Net Expenditure in the Year		21,543				For Value of Stores received from other Yards, &c., including Cost of Shipment		49,256	
To DEPRECIATION AND APPRECIATION ACCOUNT (p. 224):									
For Net Charge		990						1,428,865	
To OTHER THAN DOCKYARD SERVICES (p. 225):									
For Net Charge to Services not pertaining to Dockyards		17,910							
To OTHER YARDS (p. 229):									
For Value of Stores issued to other Yards, &c., including Cost of Shipment		51,208		1,736,374					

ADDENDUM TO THE DETAILED SHIP ACCOUNT.

EXPENDITURE incurred on the undermentioned Vessels, and not included in the Detailed Ship Account of the Yard, pages 184 to 217, the Expense being chargeable to Naval Votes other than 6 and 10, or to "Other Departments of Government."

NAME OF SHIP.	Number of Guns.	Horse Power.	Tonnage.	PERIODS within which the Expense was incurred.		Detailed Head of Charge.	Value of Materials Issued.	Wages.	Gross Total.	Value of Materials Returned.	Net Total.	REMARKS.
				From	To							
EXPENSES CHARGED against the following SERVICES, &c., in the No. 88 ACCOUNT, SECT. B., ITEM 7:												
WAR DEPARTMENT:												
LORD PANMURE - - -	-	-	-	8 Aug. 1874	5 Dec. 1874	Hull - - - - -	-	67	67	-	£.	Supervising repairs.
LORD RAGLAN - - -	-	-	-	26 Sept. "	6 Feb. 1875	Hull - - - - -	-	108	108	-	108	- ditto.
STAR - - - - -	-	-	-	6 Feb. 1875	13 Mar. "	{ Hull - - - - - Masts and Yards - - - Rigging and Stores - -	30 1 2	70 2 7	100 3 9	6 - -	94 3 9	{ Repairing.
						Total - - - £.	33	79	112	6	106	
INDIAN GOVERNMENT:												
SERAPIS - - - - -	3	700	4,173	28 Mar. 1874	24 Oct. 1874	Boilers and Engineers' Fittings.	-	36	36	-	36	Supervising construction of boilers.
						{ Hull - - - - -	8	50	53	4	54	
TENASSERIM - - - - -	-	-	-	6 Feb. 1875	20 Mar. 1875	{ Engines and Engineers' Fittings. Boilers and Engineers' Fittings. Engineers' Stores - -	6 2 15	67 18 -	73 20 15	- - -	73 20 15	{ Repairing.
						Total - - - £.	23	85	108	-	108	
BOARD OF TRADE:												
JASEUR - - - - -	17	80	27	13 Feb. "	20 Feb. "	Rigging and Stores -	158	6	164	-	164	Shipping stores.

PORTSMOUTH DOCKYARD AND FACTORY.

I N D E X.

	PAGE
Statement connecting Navy Estimates and Expense Accounts - - -	234
General Balance Sheet - - - - - No. 1 - -	236
Income Account - - - - - No. 2 - -	238
Capital Account - - - - - No. 3 - -	242
Ships Account - - - - - No. 4 - -	243
Account of Dockyard Charges incidental to Ship Building, Equipping, &c. - - - - - No. 5 - -	328
Harbour and Dockyard National Charges Account - - - No. 6 - -	332
Depreciation and Appreciation Account - - - - - No. 7 - -	334
Account of other than Dockyard Services - - - - - No. 8 - -	335
Conversions Account - - - - - No. 9 - -	337
Accounts of Supplies to, and Receipts from, other Yards - - - No. 10 - -	339
Balance Account - - - - - No. 11 - -	340
Addendum to Ship Account - - - - - - - -	341

PORTSMOUTH DOCKYARD.

STATEMENT showing the Total Amounts granted and the Total Amounts expended for the NAVY under each VOTE as they appear in the published RETABULATION of the STATEMENT of the SURPLUSES and DEFICITS on the NAVY GRANTS, No. 183, of Session 1876; also, Portion of Division 1 appertaining to PORTSMOUTH YARD (pp. 592 to 597 of Report).

Number of Vote.	TITLE OF VOTE.	Division 1. NAVAL YARDS.		Number of Vote.	Portion of Division 1 appertaining to PORTSMOUTH.	
		Expenditure.	Grant.		Expenditure.	Grant.
		Page in Retabulation of Navy Statement of the Surpluses and Deficits.	£.		Page in Retabulation of Navy Statement of the Surpluses and Deficits.	£.
6	DOCKYARDS AND NAVAL YARDS AT HOME AND ABROAD - - - - -	14	1,253,610	6	14	358,048
10	NAVAL STORES FOR THE BUILDING, REPAIR, AND OUTFIT OF THE FLEET AND COAST GUARD, STEAM MACHINERY, AND SHIPS BUILT BY CONTRACT:					
	SECT. I.—NAVAL STORES - - - -	14	1,378,383	10, Sec. I.	14	305,910
	SECT. II.—STEAM MACHINERY AND SHIPS BUILT BY CONTRACT - - - -	14	823,657	10, Sec. II.	14	73,347
11	NEW WORKS, BUILDINGS, MACHINERY, AND REPAIRS - - - - -	14	502,671	11	14	262,736
	TOTAL VOTES, 6, 10, AND 11 - - -	14	3,958,321	- - -	14	1,000,041
16	SECT. II.—CIVIL PENSIONS AND ALLOWANCES -	14	167,125	16, Sec. II.	-	** 10,154
	TOTAL Division 1, NAVAL YARDS - - £.		4,125,446			† 10,154
TOTAL Portion of Division 1, appertaining to PORTSMOUTH - - - £.					1,010,195	1,043,007

** To meet the Estimated Current Charge for Deferred Annuities, equal to 7 per cent. on the Salaries to Dockyard Officers, and on the Total Wages paid in the year to Established Workmen, on account of the prospect of Pensions on their Retirement; see Paper from the Actuary of the National Debt, page viii* of Parliamentary Paper, No. 454, of Session 1867.

In the Retabulation of the Statement of the Surpluses and Deficits, the whole amount against Vote 16, Sect. II., chargeable to Division 1, "Naval Yards," is shown under Column "Other than Yards." In this Account, however, the amount for Portsmouth has been calculated in accordance with the principle laid down by the Actuary of the National Debt (see Note above).

† The amounts inserted in the "Grant" columns for the several Yards are the same as the calculated Expenditure.

Supplementary Estimates are included in the amounts appearing in the "Grant" columns.

H. WALKER,
Accountant General of the Navy, and
Comptroller of Navy Pay.

No. 1.
EXPENSE ACCOUNTS.

PORTSMOUTH DOCKYARD AND FACTORY.

ANNUAL BALANCE SHEET of SHIP BUILDING and other DOCKYARD
TRANSACTIONS in Financial Year 1874-75.

No. EXPENSE

PORTSMOUTH DOCKYARD

ANNUAL BALANCE SHEET of SHIP BUILDING and For Details, see separate

Dr.

To Amounts Paid, as per Statement of Surpluses and Deficits, under the following Votes, and shown in the Income Account, viz. :—	Page	£.
VOTE No. 6 :		
Salaries, &c. - - - - -	238	25,183
Ditto - Portland - - - - -	238	183
Rents, Rates, Taxes, and Water - - - - -	238	2,317
Lighting with Gas - - - - -	238	2,141
Contingencies - - - - -	238	1,141
Wages to Artificers, &c. - - - - -	238	308,921
Wages, Yard Service Afloat - - - - -	238	7,431
Hire of Teams - - - - -	238	2,568
Wages, Police Force - - - - -	238	8,187
Extra Pay to Artificers of the Fleet - - - - -	238	20
Ditto - ditto - (Portland) - - - - -	238	6
TOTAL VOTE No. 6 - - -	238	358,048
VOTE No. 10, Section I.:		
Naval Stores, &c. - - - - -	238	305,910
VOTE No. 10, Section II.:		
Steam Machinery, Experiments, &c. - - - - -	238	73,347
VOTE No. 11 :		
New Works, &c.—Buildings, Docks, &c. :		
Additions - - - - -	338	182,760
Repairs, Replacements, &c. - - - - -	238	13,781
Other New Works, the Details of which are shown in the Income Account - - - - -	238	21,305
New Works, &c.—Machinery:		
Additions - - - - -	238	33,953
Repairs, Replacements, &c. - - - - -	238	10,927
TOTAL Votes, Nos. 6, 10, and 11 (actual Money paid) - - -	238	1,000,041
* Vote No. 16. Estimated Amounts as charged to Ships and Services	240	10,154
TOTAL Votes, Nos. 6, 10, 11, and Estimated Amount of } £. Vote 16, being Total Debit from Parliamentary Votes - }	-	1,010,195
To Receipts from other Yards, including Cost of Shipment - - - - -	339	71,089
To adjusting Entry, principally consisting of the Value of Stores paid for by other Departments, &c., and consequently not appearing as a final Financial Charge to Vote 10, Section I. - - - - -	240	37,273
To Amounts for Services other than those pertaining to Dockyards - - - - -	240	35,995
To adjusting Entry on Account of the Value of Materials taken on charge by the Storekeeper, and debited to Stock, up to the last day of the Financial Year, but not paid for in the Year - - - - -	240	4,208
To adjusting Entry on Account of Payments made last Year out of Vote 10, Section II., for Machinery, &c., received and taken on charge by the Storekeeper in this Year - - - - -	240	2,370
To Value of Land on 21st March 1874 - - - - -	676	112,730
To Value of Buildings on 21st March 1874 - - - - -	676	3,653,554
To Value of Machinery on 21st March 1874 - - - - -	676	200,153
To Value of Stock on 21st March 1874 - - - - -	685	729,338
TOTAL - - - - -	£.	5,856,905

* To meet the Estimated Current Charge for Deferred Annuities, equal to 7 per cent. on the Salaries to Dockyard Officers, and on the Total Wages paid in the Year to Established Workmen, on account of the prospect of Pensions on their Retirement; see Paper from the Actuary of the National Debt, page viii* of Parliamentary Paper, No. 454, of Session 1867.

1.

ACCOUNTS.

AND FACTORY.

other DOCKYARD TRANSACTIONS in Financial Year 1874-75.

Accounts (Nos. 2 to 11.)

Cr.

By Expenditure under the following Heads, as per Detailed Ship Account, viz.:—	Page	£.
Ships Building and Completing for Sea Service - - -	326	299,513
Maintaining Ships in Commission - - -	326	206,067
Maintaining, Repairing, &c. Ships in the Reserves - - -	327	141,745
Hulks Repairing, &c. - - -	327	3,202
Steam Tugs, Yard Craft, Coal Depôts, &c., Building, Fitting, Refitting, &c. - - -	327	17,993
*Ships and Vessels breaking up - - -	327	234
		<hr/> 668,286
By Coals and Wages, &c. of Coaling Steam Ships - - -	340	23,470
By Value of Materials issued to Contractors for Re-manufacture -	242	1,306
By Net Expenditure for Harbour and Dockyard National Services -	332	65,172
By Net Charge to Depreciation Account - - -	334	24,677
By Net Expenditure for Services other than those pertaining to Dockyards - - -	335	107,362
By Payments to Exchequer of Proceeds of Sale of Old Stores, &c. -	241	19,840
By Issues to other Yards, including Cost of Shipment - - -	339	40,548
By adjusting Entry for Stores paid for in the Year, but taken on charge and included in Value of Stock in the preceding Year -	241	5,175
By adjusting Entry for Machinery, &c., partly paid for in this year out of Vote 10, Section II., but not delivered up to the last day of the Financial Year - - -	241	140
By Value of Land on 20th March 1875 - - -	676	112,730
By Value of Buildings on 20th March 1875 - - -	676	3,797,954
By Value of Machinery on 20th March 1875 - - -	676	234,106
By Value of Stock on 20th March 1875 - - -	685	756,139
TOTAL - - - £.		<hr/> 5,856,905

* The Figures in *Italics* show the Amount of Net Credit for Stores, &c. returned.

H. WALKER,
Accountant General of the Navy,
and Comptroller of Navy Pay

PORTSMOUTH DOCKYARD

Dr.

No.
INCOME

To BALANCE ACCOUNT (p. 340):

For Amounts which have come in course of Payment in the Financial Year, under the following
Votes of the Naval Estimates appertaining to Portsmouth Dockyard and Factory, as per Statement
of the Surpluses and Deficits, viz.:—

VOTE No. 6:

Salaries, &c. - - - - -	£.	25,183	
Ditto - Portland - - - - -		183	
Rents, Rates, Taxes, and Water - - - - -		2,317	
Lighting with Gas - - - - -		2,141	
Contingencies - - - - -		1,141	
Wages to Artificers, &c. - - - - -		308,921	
Wages, Yard Service Afloat - - - - -		7,431	
Hire of Teams - - - - -		2,568	
Wages of Police Force - - - - -		8,137	
Extra Pay to Artificers of the Fleet - - - - -		20	
Ditto - ditto - (Portland) - - - - -		6	
			358,048

VOTE No. 10, Section I.:

Timber, Masts, Deals, &c. - - - - -	£.	52,254	
Metal and Metal Articles, &c. - - - - -		130,381	
Coals and other Fuel - - - - -		37,576	
Hemp, Canvas, &c. - - - - -		12,392	
Paint Materials, Oil, Pitch, &c. - - - - -		73,108	
Freight and Sundry Expenses connected with Naval Stores - - - - -		142	
Purchases of Officers, &c. - - - - -		57	
			305,910

VOTE No. 10, Section II.:

Payments for Marine Engines, &c., delivered at Portsmouth Yard, not included in the Stock Valuation Account, being charged in the Books at the Admiralty to the Ships for which the Machinery was purchased - - - - -	£.	60,603	
Payments for a set of Boilers for the "Enchantress" class, and for Boilers for Steam Launches, &c.; also Payments made on account of a set of Boilers for "Plover" class, and for Propeller Blades for "Raleigh," the Value of which is included in the Stock Valuation Account - - - - -		9,939	
Payments made for a spare Boiler, 6 horse-power, which will be included in the Stock Valuation Account for 1875-6 - - - - -		140	
			70,682
Payments on account of Experiments at Portsmouth (for Details, see p. 695) - - - - -			2,260
Payments for Breaking up Ships - - - - -			405
			73,347

VOTE No. 11:

New Works, &c.—Land, Buildings, Docks, &c., viz.:—

Additions - - - - -		182,760	
Repairs, Replacements, &c. - - - - -		13,781	
	£.		
Dredging not in connection with Dockyard - - - - -		16,526	
Additions and Repairs to Portland Coaling, &c. - - - - -			
Depôt - - - - -		1,175	
Contingencies, Works and Repairs - - - - -		658	
Ditto - (Machinery) - - - - -		135	
Temporary Superintendence, &c. of Engineering and Architectural Works and Repairs - - - - -		2,811	
			21,305

New Works—Machinery:

Additions - - - - -		33,953	
Repairs, Replacements, &c. - - - - -		10,937	
			262,736

Carried forward - - - £. 1,000,041

1,000,041

AND FACTORY.

2.

ACCOUNT.

Cr.

By SHIPS (p. 243):

For Amount charged direct, viz.:—

Wages to Artificers, &c., including Wages, Yard Service Afloat, Hire of Teams, and Extra Pay to Artificers of the Fleet - - - - -

£.

226,688

Payments for Marine Engines, &c. delivered at Portsmouth Yard, not included in the Stock Valuation Account, being charged in the Books at the Admiralty to the Ships for which the Machinery was purchased - - - - -

£.

60,603

Payments for Breaking up Ships - - - - -

405

61,008

287,696

By CAPITAL ACCOUNT (p. 242):

For Value of Stores taken on Charge during the Year as received from Contractors

354,383

For - ditto - as returned from Ships - - - - -

85,184

For - ditto - - ditto - Coaling purposes - - - - -

631

For - ditto - of Coals for Steaming purposes as returned from Ships - -

116

For - ditto - as returned from Services incidental to Ship building, Equipping, &c. - - - - -

4,826

For - ditto - as returned from Harbour and Dockyard National Services -

1,090

For - ditto - as returned from Depreciation and Appreciation of Stock, including difference consequent upon the Annual Valuation of Stock, &c. - - - - -

79,415

For Value of Stores taken on Charge during the Year, as received from other than Dockyard Services - - - - -

17,788

For - ditto - from Conversions - - - - -

162,260

For - ditto - from other Yards - - - - -

69,774

775,467

For Additions to Buildings, Docks, &c. - - - - -

182,760

For Additions to Machinery - - - - -

33,953

216,713

By DOCKYARD CHARGES INCIDENTAL TO SHIP BUILDING, EQUIPPING, &c. (p. 323):

For Amount charged on account of the undermentioned Services, viz.:—

Salaries, &c. - - - - -

14,260

Rents, Rates, Taxes, and Water - - - - -

2,317

Lighting with Gas - - - - -

2,141

Contingencies - - - - -

1,141

Wages to Artificers, including Hire of Teams, Wages, Yard Service Afloat, and Extra Pay to Artificers of the Fleet - - - - -

44,900

Wages, Police Force - - - - -

4,068

Freight and Sundry Expenses connected with Naval Stores - - - - -

142

Estimated Current Charge for Deferred Annuities on account of Pensions to Dockyard Officers and Established Workmen - - - - -

9,244

Repairs, Replacements, &c. of Buildings, Docks, &c. - - - - -

13,781

Contingencies (Works and Repairs) - - - - -

658

Ditto - (Machinery) - - - - -

135

Repairs, Replacements, &c. of Machinery - - - - -

10,937

103,724

Carried forward - - - £.

1,383,600

Dr.

PORTSMOUTH DOCKYARD AND FACTORY.

			£.
	Brought forward - - -		1,000,041
To BALANCE ACCOUNT (p. 340):			
Vote No. 16.—For Estimated Current Charge for Deferred Annuities, equal to 7 per Cent. on the Salaries to Dockyard Officers, and on the Total Wages paid in the year to Established Workmen, on account of the prospect of Pensions on their Retirement; see Paper from the Actuary of the National Debt, page viii* of Parliamentary Paper, No. 454, of Session 1867 - - - -			10,154
Adjusting Entry, principally consisting of the Value of Stores paid for by other Departments, &c., and, consequently, not appearing as a final Financial Charge to Vote 10, Section I. - - -			37,273
For Amount paid by Cashiers of Her Majesty's Dockyards to Artificers, &c. hired for performance of Work, other than that relating to Dockyard Services, and charged direct to those Services in the Admiralty Ledger, and not appearing as a Charge to Vote No. 6 in the Statement of Surpluses and Deficits, viz.:—			
	£.		
Other Naval Votes not relating to Dockyard Services - - - - -	7,047		
Other Departments of Government - - - - -	28,367		
Foreign Governments - - - - -	4		
Private Individuals - - - - -	577		
			35,995
For adjusting entry on account of the Value of Materials taken on charge by the Storekeeper, and debited to Stock, up to the last day of the Financial Year, but not paid for in the Year - - -			4,208
For adjusting entry on account of Payments made last year out of Vote 10, Section II., for Machinery, &c., received and taken on charge by the Storekeeper in this Year - - -			2,370
To SHIPS (p. 243):			
For Value of Materials returned into Store - - - - -			85,184
To CAPITAL ACCOUNT (p. 242):			
For Value of Coals for Steaming purposes, as returned from Ships - - - - -			116
For Value of Materials returned from Coaling Purposes - - - - -			631
To DOCKYARD CHARGES INCIDENTAL TO SHIP BUILDING, EQUIPPING, &c. (p. 329):			
For Value of Materials returned into Store - - - - -			4,826
To HARBOUR AND DOCKYARD NATIONAL CHARGES (p. 332):			
For Value of Materials returned into Store - - - - -			1,090
To DEPRECIATION AND APPRECIATION ACCOUNT (p. 334):			
For Value of Stores returned to Stock after Survey:	£.	£.	
Timber - - - - -	756		
Stores - - - - -	5,292		
For Increase in the Value of Stock on Annual Re-valuation:			
Timber - - - - -	—		
Stores - - - - -	57,140		
For Approximate Value of Stock found Surplus on Continuous Survey:			
Timber - - - - -	8,315		
Stores - - - - -	7,862		
For Value of Lost Articles recovered by the Police, &c. - - -	50		
		79,415	
For Proceeds of Sale (Cash not shown in Stock Valuation Account):			
Timber - - - - -	3,426		
Stores - - - - -	16,414		
		19,840	
To OTHER THAN DOCKYARD SERVICES (p. 335):			99,255
For Value of Materials returned into Store - - - - -			17,788
To CONVERSIONS (p. 337):			
For Value of Manufactured Produce returned into Store - - - - -		£.	
For Value of unconsumed Material and Work in hand at the end of the Year - - -		139,581	
		22,679	
			162,260
To OTHER YARDS (p. 339):			
For Value of Stores received from other Yards - - - - -			69,774
		£.	1,530,965

No. 2.—INCOME ACCOUNT—continued.

Cr.

		£.
	Brought forward - - -	1,883,600
By HARBOUR AND DOCKYARD NATIONAL CHARGES (p. 332):		
For Amount charged on account of the undermentioned Services, viz:—	£.	
Salaries, &c. - - - - -	10,923	
Salary of Engineers in charge of Portland Coal, &c. Dépôt - - - -	183	
Wages to Artificers, &c., including Wages, Yard Service Afloat, Hire of Teams, and Extra Pay to Artificers of the Fleet - - - - -	21,092	
Wages, Police Force - - - - -	4,069	
Experimental Purposes (for Details, see p. 695) - - - - -	2,260	
Dredging Harbour, not in connection with the Dockyard - - - -	16,526	
Additions and Repairs to Portland Coaling, &c. Dépôt - - - - -	1,175	
Temporary Superintendence, &c. of Engineering and Architectural Works and Repairs - - - - -	2,811	
Estimated Current Charge for Deferred Annuities on account of Pensions to Dockyard Officers - - - - -	910	
		59,949
By OTHER THAN DOCKYARD SERVICES (p. 335):		
For Expenditure during the Year, viz:—		
Wages to Artificers, &c., not chargeable to Vote 6 - - - - -	35,995	
Ditto - - ditto - - charged to Vote 6 - - - - -	1	
		35,996
By CONVERSIONS (p. 337):		
For Expenditure during the Year, viz:—		
Wages to Artificers, &c., including Hire of Teams, &c. - - - - -		20,987
By BALANCE ACCOUNT (p. 340):		
For adjusting entry on account of the Value of Material taken on charge by Store-keeper prior to this Financial Year, but paid for in this Year - - - -	£.	
	5,175	
For adjusting entry on account of Payments made in this Year out of Vote 10, Sect. II., for Machinery, &c., which was not delivered up to the last day of the Financial Year - - - - -	140	
For Wages, including Wages, Yard Service Afloat, paid for issuing Coals to Ships for Steaming Purposes - - - - -	5,278	
For Payments to Exchequer of Proceeds of Sale of Old Stores, &c. - - -	19,840	
		30,433
	£.	1,530,965

PORTSMOUTH DOCKYARD AND FACTORY.

242

DOCKYARD EXPENSE ACCOUNTS:—SHIP-BUILDING

No. 3.

CAPITAL ACCOUNT.

Dr.

Cr.

Dr.	£.	Page of Detailed Statement.	£.	By SHIPS (p. 243):— For Value of the Gross Issues of Stores	£.	Cr.
To BALANCE ACCOUNT (p. 340):—				By DOCKYARD CHARGES INCIDENTAL to SHIP BUILDING, EQUIPPING, &c. (p. 328):—		
For Balance from last Year's Account, viz.:—				For Value of the Gross Issues of Stores		352,399
Value of Land	112,730	676		By HARBOUR and DOCKYARD NATIONAL CHARGES (p. 332):—		37,696
Ditto Buildings	3,653,554	676		For Value of the Gross Issues of Stores		6,313
Ditto Machinery	200,153	676		By DEPRECIATION and APPRECIATION ACCOUNT (p. 334):—		
Ditto Stock	729,338	685		For Value of Stores drawn from Stock on Survey:	£.	
				Timber	2,703	
				Stores	6,547	
				For Decrease in the Value of Stock on Annual Revaluation:		
				Timber	—	
				Stores	98,314	
				For Approximate Value of Stock found Deficient on Continuous Survey:		
				Timber	11,859	
				Stores	8,394	
				For Value of Stores drawn from Stock on Sale:		
				Timber	3,578	
				Stores	14,098	
				For Value of Stores Destroyed by Fire	79	
				For Deterioration in the Value of Plant (Buildings)	38,360	
				By OTHER THAN DOCKYARD SERVICES (p. 335):—		123,932
				For Value of the Gross Issues of Stores		69,332
				By CONVERSIONS (p. 337):—		
				For Value of the Gross Issues of Stores		138,014
				By OTHER YARDS (p. 339):—		
				For Value of the Gross Issues of Stores		39,095
				By BALANCE ACCOUNT (p. 340):—	£.	
				For Value of Coals issued to Ships for Steaming Purposes	15,513	
				" Value of Stores issued for Coaling Purposes	3,426	
				" Value of Materials issued to Contractors for Re-manufacture	1,306	
						20,245
				For Balance to next Year's Account, viz.:—		
				Value of Land	112,730	
				Ditto Buildings	3,797,934	
				Ditto Machinery	234,106	
				Ditto Stock	756,139	
						4,900,929
						5,687,955
						£.

No. 4.

S H I P S.

Dr.

Cr.

To INCOME ACCOUNT (p. 240):—

For Amount charged direct to Ships, as per Detailed Account, viz:—

Wages to Artificers, &c., including Wages, Yard Service
 Allow, Hire of Teams, and Extra Pay to Artificers
 of the Fleet - - - - - £.

Payments for Marine Engines, &c. de-

livered at Portsmouth Yard, not included
 in the Stock Valuation Account, being
 charged in the Books at the Admiralty
 to the Ships for which the Machinery
 was purchased - - - - -

Payments for Breaking up Ships - -

To CAPITAL ACCOUNT (p. 249):—

For Value of Gross Issues of Stores

To DOCKYARD CHARGES INCIDENTAL TO SHIP BUILDING,
EQUIPPING, &c. (pp. 329 and 381):—For Amount of General Expenditure charged *pro rata* to the Sub-Heads
of Ships Building, Repairing, &c., as follows:—

	Direct Charges.	Amount of Indirect Charges.	Ratio per Cent.
On Labour - - - - -	£. 226,688	£. 97,322	£. 42.09
On Materials issued - - - - -	- - - - -	- - - - -	- - - - -
On " returned - - - - -	497,583	15,706	3.09
On Tonnage - - - - -	- - - - -	847	- - - - -
	£.	£.	
		113,835	

By INCOME ACCOUNT (p. 240):—

For Value of Materials returned into Store

By BALANCE ACCOUNT (p. 340):—

For Net Expenditure during the Year

£.

£.

£.

£.

£.

[illegible]

PORTSMOUTH DOCKYARD AND FACTORY.—No. 4.—DETAILED SHIP ACCOUNT—continued.

No. 1.—SHIPS BUILDING AND COMPLETING FOR SEA SERVICE—continued.

No. 1.—SHIPS BUILDING AND COMPLETING FOR SERVICE.															
NAME OF SHIP.	Number of Guns.	Horse Power.	Tonnage.	PERIODS within which the Expense was incurred.		Detailed Head of Charge.	Value of Materials Issued.	Wages.	Payments to Con- tractors, &c. Made and Allowed at Admiralty.	Gross Total, excluding Incidental and Establish- ment Charges.	Value of Materials Returned.	Net Total, excluding Incidental and Establish- ment Charges.	Incidental and Estab- lishment Charges.	Total Expense, inclusive of Incidental and Estab- lishment Charges.	REMARKS.
				From	To										
NOT IRON CLAD—continued.															
BACCHANTE	16	(5,250)	(3,932)	23 Mar. 1874	20 Mar. 1875	Hull - - - - Engines and Engineers' Fittings. Boilers and Engineers' Fittings. Total - - - £.	£. 13,734 — — —	£. 12,432 14 1 15	£. — * 25,400 — 25,400	£. 26,166 25,414 1 25,415	£. 1,392 — — —	£. 24,774 25,414 1 25,415	£.	£.	{ Building 311 tons weight of hull. * On account of the ma- chinery.
BOADICEA	16	(5,250)	(4,027)	23 Mar. "	20 Mar. "	Hull - - - - Masts and Yards - - Total - - - £. Engines and Engineers' Fittings. Boilers and Engineers' Fittings. Total - - - £.	16,606 — 16,606 6 2 8	14,137 1 14,138 82 69 151	— — — * 6,800 — 6,800	30,743 1 30,744 6,888 71 6,959	2,971 — 2,971 — — —	27,772 1 27,773 6,888 71 6,959	£.	£.	{ Building 381 tons weight of hull. * On account of the ma- chinery.
CYCLOP	1	28 (183)	245 (254)	23 Mar. "	28 Nov. 1874	Hull - - - - Rigging and Stores - - Total - - - £. Engines and Engineers' Fittings. Boilers and Engineers' Fittings. Total - - - £.	— 44 44 — — —	10 — 10 4 5 9	— — — — — —	10 44 54 4 5 9	2 1 3 — — —	8 43 51 4 5 9	£.	£.	General drawings. Sup- plies, &c.
DIAMOND	14	350 (1,405)	1,405 (2,200)	1 June "	5 Sept. "	Hull - - - -	17	5	—	22	6	16	£.	£.	Preparing block for figure- head. Returns.

[illegible]

No. 1.—SHIPS BUILDING AND COMPLETING FOR SEA SERVICE—continued.

NAME OF SHIP.	Number of Guns.	Horse Power.	Tonnage.	PERIODS within which the Expense was incurred.		Detailed Head of Charge.	Value of Materials Issued.	Wages.	Payments to Con- tractors, &c. Made and Allowed at Admiralty.	Gross Total, excluding Incidental and Establish- ment Charges.	Value of Materials Returned.	Net Total, excluding Incidental and Establish- ment Charges.	Incidental and Estab- lishment Charges.	Total Expense, inclusive of Incidental and Estab- lishment Charges.	REMARKS.	
				From	To											
NOT IRON CLAD—continued.																
SHAH " " " (Late "Blonde".)	26	1,000 (7,500)	4,210 (5,700)	23 Mar. 1874	20 Mar. 1875	Hull " " " Masts and Yards " " " Rigging and Stores Total - - - £.	£. 11,945 874 10,893 23,712	£. 20,455 587 671 21,713	£. — — — —	£. 32,400 1,461 11,564 45,425	£. 1,343 131 1,341 2,815	£. 31,057 1,390 10,223 42,610	-	-	-	Completing building. * Re-casting blades of the screw.
						Engines and Engineers' Fittings.	32	126	* 600	758	7	751	-	-	-	
						Boilers and Engineers' Fittings.	143	59	—	202	1	201	-	-	-	
						Engineers' Stores	77	1	—	78	—	78	-	-	-	
						Total - - - £.	252	186	600	1,038	8	1,030	-	-	-	
SNAPE	1	28 (253)	245 (254)	23 Mar. "	18 April 1874	Hull - - -	—	2	—	2	—	2	-	-	-	Drawings.
SNIPER	—	—	20	14 Dec. "	19 Dec. "	Rigging and Stores	5	—	—	5	—	5	-	-	-	Supplies.
STEAM CUTTER, No. 22 (Attached to "Fly.")	—	2½	4	31 Mar. "	14 Nov. "	Hull - - -	2	3	—	5	—	5	-	-	-	Completing after trial.
						Hull - - -	—	1	—	1	—	1	-	-	-	
STEAM CUTTER, No. 25 (In Store.)	—	4	4	13 April "	4 July "	Engines and Engineers' Fittings.	—	2	—	2	—	2	-	-	-	Trial of engines.
						Boilers and Engineers' Fittings.	—	1	—	1	—	1	-	-	-	
						Total - - - £.	—	3	—	3	—	3	-	-	-	
						Hull - - -	—	1	—	1	—	1	-	-	-	
STEAM CUTTER, No. 26 (In Store.)	—	2½	4	31 Mar. "	8 Aug. "	Engines and Engineers' Fittings.	2	10	—	12	1	11	-	-	-	Survey and trial of engines.
						Boilers and Engineers' Fittings.	—	3	—	3	—	3	-	-	-	
						Total - - - £.	2	13	—	15	1	14	-	-	-	

STEAM CUTTER, No. 30 (Attached to "Sap- phire.")	3	7	23 Mar. "	5 Sept. "	Hull . . . £.	Engines and Engineers' Fittings.	Boilers and Engineers' Fittings.	1	1	1	2	1	2	1	2	Reconciling, &c., after trial.
					Total . . . £.			—	—	—	2	—	—	1	2	
								—	—	—	1	—	—	1	1	
								—	—	—	1	—	—	1	1	
					Total . . . £.			—	—	—	2	—	—	2	2	
								—	—	—	3	—	—	3	3	
								—	—	—	1	—	—	1	1	ditto - ditto.
								—	—	—	1	—	—	1	1	
					Total . . . £.			—	—	—	2	—	—	2	2	
								—	—	—	3	—	—	3	3	
								—	—	—	1	—	—	1	1	ditto - ditto.
								—	—	—	1	—	—	1	1	
					Total . . . £.			—	—	—	2	—	—	2	2	
								—	—	—	3	—	—	3	3	
								—	—	—	1	—	—	1	1	Survey and trial of engines.
								—	—	—	2	—	—	2	2	
					Total . . . £.			—	—	—	5	—	—	5	5	
								—	—	—	4	—	—	4	4	
								—	—	—	3	—	—	3	3	
								—	—	—	2	—	—	2	2	
					Total . . . £.			—	—	—	5	—	—	5	5	
								—	—	—	4	—	—	4	4	
								—	—	—	3	—	—	3	3	
								—	—	—	2	—	—	2	2	
					Total . . . £.			—	—	—	5	—	—	5	5	
								—	—	—	4	—	—	4	4	
								—	—	—	3	—	—	3	3	
								—	—	—	2	—	—	2	2	
					Total . . . £.			—	—	—	7	—	—	7	7	
								—	—	—	3	—	—	3	3	
								—	—	—	2	—	—	2	2	
					Total . . . £.			—	—	—	5	—	—	5	5	
								—	—	—	4	—	—	4	4	
								—	—	—	3	—	—	3	3	
								—	—	—	2	—	—	2	2	
					Total . . . £.			—	—	—	5	—	—	5	5	
								—								

PORTSMOUTH DOCKYARD AND FACTORY.—No. 4.—DETAILED SHIP ACCOUNT—continued.

No. 1.—SHIPS BUILDING AND COMPLETING FOR SEA SERVICE—continued.

NAME OF SHIP.	Number of Guns.	Horse Power.	Tonnage.	PERIODS within which the Expense was incurred.		Detailed Head of Charge.	Value of Materials Issued.	Wages.	Payments to Con- tractors, &c. Made and Allowed at Admiralty.	Gross Total, excluding Incidental and Estab- lishment Charges.	Value of Materials Returned.	Net Total, excluding Incidental and Estab- lishment Charges.	Incidental and Estab- lishment Charges.	Total Expense, inclusive of Incidental and Estab- lishment Charges.	REMARKS.	
				From	To											
NOT IRON CLAD—continued.																
STEAM CUTTER, No. 37 (Attached to "Fly- ing Fish.")	—	2½	4½	22 June 1874	18 July 1874	Hull - - - -	£. 1	£. 6	£. —	£. 7	£. —	£. 7	£. —	£. —	Survey and trial of engines.	
						Engines and Engineers' Fittings.	—	2	—	2	—	2	—	—		
						Boilers and Engineers' Fittings.	—	2	—	2	—	2	—	—		
						Total . . . £.	—	4	—	4	—	4	—	—		
STEAM CUTTER, No. 38 (Attached to "Dryad.")	—	2½	4½	22 June "	5 Sept. "	Hull - - - -	1	2	—	3	—	3	—	—	- - ditto.	
						Engines and Engineers' Fittings.	—	2	—	2	—	2	—	—		
						Boilers and Engineers' Fittings.	—	2	—	2	—	2	—	—		
						Total . . . £.	—	4	—	4	—	4	—	—		
STEAM CUTTER, No. 39 (Attached to "Os- borne.")	—	3	6	13 July "	10 Oct. "	Hull - - - -	6	14	—	20	—	20	—	—	Survey and trial of engines, and completing fitting.	
						Engines and Engineers' Fittings.	—	4	—	4	—	4	—	—		
						Boilers and Engineers' Fittings.	—	2	—	2	—	2	—	—		
						Total . . . £.	—	6	—	6	—	6	—	—		
STEAM CUTTER, No. 40 (Attached to "Sappho.")	—	2½	4½	7 Sept. "	17 Oct. "	Hull - - - -	2	7	—	9	—	9	—	—	Survey and trial of engines.	
						Engines and Engineers' Fittings.	—	2	—	2	—	2	—	—		
						Boilers and Engineers' Fittings.	—	2	—	2	—	2	—	—		
						Total . . . £.	—	4	—	4	—	4	—	—		

[illegible]

PORTSMOUTH DOCKYARD AND FACTORY.—No. 4.—DETAILED SHIP ACCOUNT—continued.

No. 1.—SHIPS BUILDING AND COMPLETING FOR SEA SERVICE—continued.

NAME OF SHIP.	Number of Guns.	Horse Power.	Tonnage.	PERIODS within which the Expense was incurred.		Detailed Head of Charge.	Value of Materials Issued.	Wages.	Payments to Con- tractors, &c. Made and Allowed at Admiralty.	Gross Total, excluding Incidental and Establish- ment Charges.	Value of Materials Returned.	Net Total, excluding Incidental and Establish- ment Charges.	Incidental and Estab- lishment Charges.	Total Expense, inclusive of Incidental and Estab- lishment Charges.	REMARKS.		
				From	To												
NOT IRON CLAD—continued.																	
STEAM CUTTER, No. 47. (In Store.)	—	2½	4½	18 Jan. 1875	20 Feb. 1875	Hull - - - -	£.	2	£.	2	£.	—	£.	2	£.	Survey and trial of engines.	
						Engines and Engineers' Fittings.	—	2	—	2	—	—	2	—	—		
						Boilers and Engineers' Fittings.	—	2	—	2	—	—	2	—	—		
						Total - - - £.	—	4	—	4	—	—	4	—	—		
STEAM CUTTER, No. 48. (In Store.)	—	2½	4½	18 Jan. "	20 Feb. "	Hull - - - -	—	2	—	2	—	—	2	—	ditto.		
						Engines and Engineers' Fittings.	—	2	—	2	—	—	2	—		—	
						Boilers and Engineers' Fittings.	—	2	—	2	—	—	2	—		—	
						Total - - - £.	—	4	—	4	—	—	4	—		—	
STEAM CUTTER, No. 49. (In Store.)	—	2½	4½	1 Mar. "	20 Mar. "	Hull - - - -	—	3	—	3	—	—	3	—	ditto.		
						Engines and Engineers' Fittings.	—	2	—	2	—	—	2	—		—	
						Boilers and Engineers' Fittings.	—	2	—	2	—	—	2	—		—	
						Total - - - £.	—	4	—	4	—	—	4	—		—	
STEAM CUTTER, No. 50. (In Store.)	—	2½	4½	1 Mar. "	20 Mar. "	Hull - - - -	—	4	—	4	—	—	4	—	ditto.		
						Engines and Engineers' Fittings.	—	2	—	2	—	—	2	—		—	
						Boilers and Engineers' Fittings.	—	2	—	2	—	—	2	—		—	
						Total - - - £.	—	4	—	4	—	—	4	—		—	

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PORTSMOUTH DOCKYARD AND FACTORY.—No. 4.—DETAILED SHIP ACCOUNT—continued.

No. 1.—SHIPS BUILDING AND COMPLETING FOR SEA SERVICE—continued.

NAME OF SHIP.	Number of Guns.	Horse Power.	Tonnage.	PERIODS within which the Expense was incurred.		Detailed Head of Charge.	Value of Materials Issued.	Wages.	Payments to Contractors, &c. Made and Allowed at Admiralty.	Gross Total, excluding Incidental and Estab- lishment Charges.	Value of Materials Returned.	Net Total, excluding Incidental and Estab- lishment Charges.	Incidental and Estab- lishment Charges.	Total Expense, inclusive of Incidental and Estab- lishment Charges.	REMARKS.	
				From	To											
NOT IRON CLAD—continued.																
STEAM LAUNCH, No. 70 (Torpedo service at Bermuda.)	-	6	24	21 Dec. 1874	20 Mar. 1875	Hull	£, 308	79	—	387	8	384	£.	-	-	{ Fitted for torpedo service at Bermuda (including value of boat). * Balance on machinery.
						Engines and Engineers' Fittings.	2	7	*25	34	—	34	£.	—	£.	
						Boilers and Engineers' Fittings.	2	12	—	14	—	14	£.	—	£.	
						Total . . . £.	4	19	25	48	—	48	£.	—	£.	
STEAM LAUNCH, No. 71 (Torpedo service at Malta.)	-	6	24	4 Jan. 1875	20 Mar. "	Hull	309	72	—	381	9	372	£.	-	-	{ Fitted for torpedo service at Malta (including value of boat). * Balance on machinery.
						Engines and Engineers' Fittings.	3	7	*25	35	—	35	£.	—	£.	
						Boilers and Engineers' Fittings.	6	20	—	26	—	26	£.	—	£.	
						Total . . . £.	9	27	25	61	—	61	£.	—	£.	
STEAM LAUNCH, No. 72 (Building.)	-	6	-	18 Jan. "	20 Mar. "	Hull	41	25	—	66	2	64	£.	-	-	Completing fittings. * Balance on machinery.
						Engines and Engineers' Fittings.	1	9	*30	40	—	40	£.	—	£.	
						Boilers and Engineers' Fittings.	4	8	—	13	—	13	£.	—	£.	
						Total . . . £.	5	17	30	53	—	53	£.	—	£.	
STEAM LAUNCH, No. 73 (Building.)	-	6	-	15 Feb. "	20 Feb. "	Engines and Engineers' Fittings.	—	1	—	1	—	1	£.	-	-	Measuring propeller.
						Engines and Engineers' Fittings.	—	2	—	2	—	2	£.	—	£.	
						Boilers and Engineers' Fittings.	—	1	—	1	—	1	£.	—	£.	
						Total . . . £.	—	3	—	3	—	3	£.	—	£.	
STEAM LAUNCH, No. 74 (Attached to "Zea- lous.")	-	6	23	8 June 1874	20 June 1874	Engines and Engineers' Fittings.	—	—	—	—	—	—	£.	-	-	Shipping engines.

STEAM PINNACE, No. 45. (Singapore.)	6	13	22 June "	27 June 1874	Hull - - - -	1	1	-	2	-	2	Completing fitting.
	-	-	-	-	Hull - - - -	1	-	-	1	-	1	
STEAM PINNACE, No. 51. (Hong Kong.)	6	13	23 Mar. "	27 June "	Engines and Engineers' Fittings. Boilers and Engineers' Fittings. Total - - - £.	-	1	-	1	-	1	- ditto.
STEAM PINNACE, No. 55. (Attached to "Assistance.")	4½	7½	17 Aug. "	22 Aug. "	Engines and Engineers' Fittings.	-	1	-	1	-	1	Completing after trial.
STEAM PINNACE, No. 57. (Attached to "Vernon.")	6	13½	23 Mar. "	18 April "	Hull - - - -	-	2	-	2	-	2	Fitting sling gear.
	-	-	-	-	Hull - - - -	-	7	-	7	-	7	
STEAM PINNACE, No. 58.	7½	13	21 Dec. "	20 Mar. 1875	Engines and Engineers' Fittings. Boilers and Engineers' Fittings. Total - - - £.	1	13	-	14	-	14	Survey and trial of engines.
	-	-	-	-	Engines and Engineers' Fittings. Boilers and Engineers' Fittings. Total - - - £.	-	4	-	4	-	4	
STEAM PINNACE, No. 59. (In Store.)	4½	7½	23 Mar. "	16 May 1874	Engines and Engineers' Fittings. Boilers and Engineers' Fittings. Total - - - £.	-	3	-	3	-	3	Trial of engines.
	-	-	-	-	Hull - - - -	-	1	-	1	-	1	
STEAM PINNACE, No. 60. (In Store.)	4½	7½	6 April "	29 Aug. "	Engines and Engineers' Fittings. Boilers and Engineers' Fittings. Total - - - £.	-	4	-	4	-	4	Survey and trial of engines.
	-	-	-	-	Hull - - - -	-	3	-	3	-	3	
	-	-	-	-	Hull - - - -	-	7	-	7	-	7	

PORTSMOUTH DOCKYARD AND FACTORY.—No. 4.—DETAILED SHIP ACCOUNT—continued.

No. 1.—SHIPS BUILDING AND COMPLETING FOR SEA SERVICE—continued.

NAME OF SHIP.	No.	PERIODS within which the Expense was incurred.		Detailed Head of Charge.	Value of Materials Issued.	Wages.	Payments to Contractors, &c., Made and Allowed by Admiralty.	Gross Total, excluding Incidentals and Establishment Charges.	Value of Materials Returned.	Net Total, excluding Incidentals and Establishment Charges.	Incidental and Establishment Charges.	Total Expense, including Incidentals and Establishment Charges.	REMARKS.
		From	To										
NOT IRON CLAD—continued.													
STEAM PINNACE, No. 61. (In Store.)	—	44	74	13 Sept. 1874	0 July 1874	Hull Engines and Engineers' Fittings, Boilers and Engineers' Fittings. Total £.	£. 4 4 3 7	£. 4 4 3 7	— — — —	£. 4 4 3 7	£. — — —	— — — —	Survey and trial of engines.
STEAM PINNACE, No. 62. (In Store.)	—	44	74	3 Oct. "	14 Sept. "	Hull Engines and Engineers' Fittings, Boilers and Engineers' Fittings. Total £.	£. 4 2 3 4	£. 4 2 3 4	— — — —	£. 4 2 3 4	£. — — —	— — — —	— ditto.
STEAM PINNACE, No. 63. (In Store.)	—	44	74	5 Dec. "	3 Aug. "	Hull Engines and Engineers' Fittings, Boilers and Engineers' Fittings. Total £.	£. 13 0 0 15	£. 13 0 0 15	— — — —	£. 13 0 0 15	£. — — —	— — — —	Survey and trial of engines, and completing fitting.
STEAM PINNACE, No. 64. (In Store.)	—	44	74	9 Jan. 1875	21 Sept. "	Hull Engines and Engineers' Fittings, Boilers and Engineers' Fittings. Total £.	£. 7 4 3 7	£. 7 4 3 7	— — — —	£. 7 4 3 7	£. — — —	— — — —	Survey and trial of engines.

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PORTSMOUTH DOCKYARD AND FACTORY.—No. 4.—DETAILED SHIP ACCOUNT—continued.

No. 1.—SHIPS BUILDING AND COMPLETING FOR SEA SERVICE—continued.

NAME OF SHIP.	Number of Guns.	Horse Power.	Tonnage.	PERIODS within which the Expense was incurred.		Detailed Head of Charge.	Value of Materials Issued.	Wages.	Payments to Con- tractors,&c. Made and Allowed at Admiralty.	Gross Total, excluding Incidental and Establish- ment Charges.	Value of Materials Returned.	Net Total, excluding Incidental and Estab- lishment Charges.	Incidental and Estab- lishment Charges.	Total Expense, inclusive of Incidental and Estab- lishment Charges.	REMARKS.
				From	To										
NOT IRON CLAD—continued.															
VESUVIUS	-	(350)	(241)	13 Apr. 1874	20 Mar. 1875	Hull - - - Masts and Yards - - Rigging and Stores - - Total - - - £.	£. 785 1 318 1,099	£. 1,718 1 2 1,721	£. - - - -	£. 2,503 2 315 2,820	£. 84 - 1 85	£. 2,419 2 314 2,735	-	-	Completing for torpedo service. Built at Pen- * broke. On account of the ma- chinery.
						Engines and Engineers' Fittings. Boilers and Engineers' Fittings. Stores - Total - - - £.	85 120 96 307	178 366 - 544	*717 - - 717	980 492 96 1,568	7 21 - 28	973 471 96 1,540	-	-	
WEAZEL	1	28 (191)	245 (254)	23 Mar. "	28 Nov. 1874	Hull - - - Rigging and Stores - - Total - - - £.	- 44 44	9 - 9	- - -	9 44 53	2 - 2	7 44 51	-	-	General drawings, sup- plies, &c.
						Engines and Engineers' Fittings. Boilers and Engineers' Fittings. Total - - - £.	- - - -	5 5 10	- - -	5 5 10	- - -	5 5 10	-	-	
TOTAL - - -															
						Hull - - - Masts and Yards - - Rigging and Stores - - Total - - - £.	47,448 1,009 17,792 66,249	56,091 740 1,548 58,379	- - - -	103,539 1,749 19,340 124,628	6,403 141 1,386 7,930	97,136 1,608 17,954 116,698	-	-	See Abstract (p. 326).
						Engines and Engineers' Fittings. Boilers and Engineers' Fittings. Stores - Total - - - £.	892 476 252 1,620	1,101 915 1 2,017	33,597 - - 33,597	35,590 1,391 253 37,234	289 42 2 327	35,307 1,349 251 36,907	-	-	

IRON CLADS BUILT BY CONTRACT:									
IN COMMISSION:									
AGINCOURT	-	28	1,350 (6,867)	6,621 (10,627)	22 June 1874	14 Nov. 1874	Rigging and Stores	£.	£.
							Hull - - -	-	-
							Rigging and Stores	109	111
							Total - - -	£.	£.
AUDACIOUS	-	14	800 (4,024)	3,774 (6,034)	5 Oct. "	14 Nov. "	Engineers' Stores	20	20
							Hull - - -	8,543	25,248
							Masts and Yards -	396	924
							Rigging and Stores	3,001	3,711
							Total - - -	£.	£.
							Engineers and Engineers' Fittings.	916	2,910
							Boilers and Engineers' Fittings.	1,184	2,852
							Engineers' Stores	657	663
							Total - - -	£.	£.
HECTOR	-	18	800 (3,256)	4,089 (6,713)	23 Mar. "	20 Mar. 1875	Masts and Yards -	-	-
							Hull - - -	33	68
							Rigging and Stores	508	510
							Total - - -	£.	£.
							Engineers and Engineers' Fittings.	-	-
							Rigging and Stores	4	4
							Rigging and Stores	34	34
							Rigging and Stores	14	14
MINOTAUR	-	17	1,350 (6,702)	6,621 (10,627)	20 April "	20 Mar. "	Masts and Yards -	-	-
							Hull - - -	33	68
							Rigging and Stores	508	510
							Total - - -	£.	£.
							Engineers and Engineers' Fittings.	-	-
							Rigging and Stores	4	4
							Rigging and Stores	34	34
							Rigging and Stores	14	14
NORTHUMBERLAND	-	28	1,350 (6,533)	6,621 (10,634)	30 June "	16 Jan. "	Masts and Yards -	-	-
							Hull - - -	33	68
							Rigging and Stores	508	510
							Total - - -	£.	£.
							Engineers and Engineers' Fittings.	-	-
							Rigging and Stores	4	4
							Rigging and Stores	34	34
							Rigging and Stores	14	14
RESISTANCE	-	16	600 (2,423)	3,710 (6,070)	22 June "	27 June 1874	Masts and Yards -	-	-
							Hull - - -	33	68
							Rigging and Stores	508	510
							Total - - -	£.	£.
							Engineers and Engineers' Fittings.	-	-
							Rigging and Stores	4	4
							Rigging and Stores	34	34
							Rigging and Stores	14	14
SWIFTSURE	-	14	800 (4,913)	3,883 (6,660)	21 Dec. "	26 Dec. "	Masts and Yards -	-	-
							Hull - - -	33	68
							Rigging and Stores	508	510
							Total - - -	£.	£.
							Engineers and Engineers' Fittings.	-	-
							Rigging and Stores	4	4
							Rigging and Stores	34	34
							Rigging and Stores	14	14
TERROR	-	16	200 (493)	1,971 (1,844)	20 July "	25 July "	Masts and Yards -	-	-
							Hull - - -	33	68
							Rigging and Stores	508	510
							Total - - -	£.	£.
							Engineers and Engineers' Fittings.	-	-
							Rigging and Stores	4	4
							Rigging and Stores	34	34
							Rigging and Stores	14	14

PORTSMOUTH DOCKYARD AND FACTORY.—No. 4.—DETAILED SHIP ACCOUNT—continued.

No. 2.—WEAR AND TEAR AND MAINTENANCE OF THE FLEET, IN COMMISSION AND IN RESERVE, including REPAIRS, REITS, ALTERATIONS, &c.—continued.

No. 2.—WEAR AND TEAR AND MAINTENANCE OF THE FLEET, IN CONNECTION WITH THE REPAIRS AND MAINTENANCE OF THE IRON CLADS BUILT BY CONTRACT—continued.															
NAME OF SHIP.	Number of Guns.	Horse Power.	Tonnage.	PERIODS within which the Expense was incurred.		Detailed Head of Charge.	Value of Materials Issued.	Wages.	Payments to Contractors, &c. Made and Allowed at Admiralty.	Gross Total, excluding Incidental and Establishment Charges.	Value of Materials Returned.	Net Total, excluding Incidental and Establishment Charges.	Incidental and Establishment Charges.	Total Expense, inclusive of Incidental and Establishment Charges.	REMARKS.
				From	To										
IRON CLADS BUILT BY CONTRACT—continued.															
IN COMMISSION:															
TRIUMPH	- 14	800 (4,892)	3,893 (6,660)	15 June 1874	14 Nov. 1874	Hull - - - Rigging and Stores - - Total - - - £.	£. 11 12 23	£. 2 - 2	£. - - -	£. 13 12 25	£. 7 - 7	£. 6 12 18	- - -	- - -	Casual repair, supplies, and returns.
VALLANT	- 18	800 (3,560)	4,063 (6,713)	6 April "	25 April "	Rigging and Stores - Engines and Engineers' Fittings.	- -	- 1	- -	- 1	1 -	1 1	- -	- -	Removing spare propeller blade, and returns.
WARRIOR	- 32	1,250 (5,469)	6,109 (9,437)	23 Mar. "	20 Mar. 1875	Rigging and Stores - Engineers' Stores -	733 57	- -	- -	733 57	201 3	532 54	- -	- -	Supplies and returns whilst repairing and refitting for sea service.
TOTAL - - -											See Abstract (p. 326).				
IRON CLADS BUILT IN HER MAJESTY'S DOCKYARDS:															
IN COMMISSION:															
BELLEROPHON	- 15	1,000 (6,521)	4,270 (7,551)	31 Mar. 1874	9 Jan. 1875	Rigging and Stores -	108	-	-	108	-	108	-	-	Casual supplies.
Total - - - £.															
IN COMMISSION:															
DEVASTATION	- 4	800 (6,649)	4,407 (9,790)	23 Mar. "	20 Mar. "	Hull - - - Masts and Yards - - Rigging and Stores - - Total - - - £.	£. 1,209 1,473 2,682	£. 1,547 5 28	£. - - -	£. 2,756 5 1,501	£. 140 - 1,821	£. 2,616 5 320	- - -	- - -	Alteration of fittings and ventilation. Casual repairs, supplies, and returns.
TOTAL - - -											See Abstract (p. 326).				

GLATTON	-	2	500 (2,868)	2,709 (4,912)	23 Mar. "	20 Mar. "											Casual repairs, supplies, and returns.	
							Rigging and Stores	169	6	—	175	4	171					
							Total - - - £.	500	419	—	919	27	892					
							Engines and Engineers' Fittings.	20	41	—	61	15	46					
							Boilers and Engineers' Fittings, Stores	—	4	—	4	—	4					
HERCULES	-	14	1,200 (8,529)	5,234 (8,677)	23 Mar. "	20 Mar. "											{ Refitting for Flag Ship, and fitted with a poop; repairs of boilers; supplies and returns.	
							Hull - - -	7,986	11,458	—	19,444	1,006	18,438					
							Masts and Yards -	845	569	—	1,414	176	1,238					
							Rigging and Stores	7,968	1,107	—	9,075	3,029	6,046					
							Total - - - £.	16,799	18,184	—	20,933	4,211	25,722					
LORD WARDEN	-	18	1,000 (6,706)	4,080 (7,842)	6 April "	20 Mar. "											Works incidental to paying off in March 1875.	
							Hull - - -	15	17	—	32	—	32					
							Masts and Yards -	—	7	—	7	—	7					
							Rigging and Stores	50	13	—	63	88	25					
							Total - - - £.	65	37	—	102	88	14					
MONARCH	-	7	1,100 (7,842)	5,102 (8,822)	13 July "	7 Nov. "											{ Casual repairs, supplies, and returns. This ship was commissioned in June 1874.	
							Hull - - -	251	482	—	733	19	714					
							Masts and Yards -	7	24	—	31	—	31					
							Rigging and Stores	349	3	—	352	28	324					
							Total - - - £.	607	509	—	1,116	47	1,069					
				9 Nov. "	26 Dec. "													
						Engines and Engineers' Fittings.	4	10	—	14	—	14						
						Boilers and Engineers' Fittings, Stores	21	57	—	78	—	78						
						Total - - - £.	365	67	—	432	38	394						
						Masts and Yards -	—	—	—	—	1	7						
						Rigging and Stores	33	—	—	33	—	33						
						Total - - - £.	33	—	—	33	1	32						
						Engineers' Stores	1	—	—	1	—	1						

PORTSMOUTH DOCKYARD AND FACTORY.—No. 4.—DETAILED SHIP ACCOUNT—continued.

No. 2.—WEAR AND TEAR AND MAINTENANCE OF THE FLEET, IN COMMISSION AND IN RESERVE, including REPAIRS, REFITS, ALTERATIONS, &c.—continued.

NAME OF SHIP.	Number of Guns.	Horse Power.	Tonnage.	PERIODS within which the Expense was incurred.		Detailed Head of Charge.	Value of Materials Issued.	Wages.	Payments to Con- tractors,&c. Made and Allowed at Admiralty.	Gross Total, excluding Incidental and Estab- lishment Charges.	Value of Materials Returned.	Net Total, excluding Incidental and Estab- lishment Charges.	Incidental and Estab- lishment Charges.	Total Expense, inclusive of Incidental and Estab- lishment Charges.	REMARKS.	
				From	To											
IRON CLADS BUILT IN HER MAJESTY'S DOCKYARDS—continued.																
IN COMMISSION—continued.																
REPULSE	12	800 (3,347)	3,749 (6,190)	22 June 1874	27 June 1874	Rigging and Stores	16	—	—	16	—	16	—	—	Casual supplies.	
						Hull	98	17	—	115	20	95	—	—	{ Casual repairs whilst tem- porarily employed as a Coast Guard Ship at Portland. Supplies and returns.	
						Rigging and Stores	304	1	—	305	1	304	—	—		
						Total	402	18	—	420	21	399	—	—		
ROYAL ALFRED	18	800 (3,434)	4,068 (6,707)	25 May "	13 Mar. 1875	Engines and Engineers' Fittings.	12	7	—	19	5	14	—	—	{ Casual repairs whilst tem- porarily employed as a Coast Guard Ship at Portland. Supplies and returns.	
						Engineers' Stores	39	—	—	39	—	39	—	—		
						Total	51	7	—	58	5	53	—	—		
						Hull	270	348	—	618	21	507	—	—	{ Casual repairs whilst tem- porarily employed as a Coast Guard Ship at Portland. Supplies and returns.	
						Masts and Yards	138	54	—	192	15	177	—	—		
						Rigging and Stores	1,809	70	—	1,879	483	1,396	—	—		
						Total	2,217	472	—	2,689	519	2,170	—	—	{ Casual repairs whilst tem- porarily employed as a Coast Guard Ship at Portland. Supplies and returns.	
				23 Mar. "	2 May 1874	Engines and Engineers' Fittings.	126	122	—	248	28	220	—	—		
						Boilers and Engineers' Fittings.	120	297	—	417	2	415	—	—		
						Engineers' Stores	724	8	—	732	83	649	—	—	{ Casual repairs whilst tem- porarily employed as a Coast Guard Ship at Portland. Supplies and returns.	
						Total	970	427	—	1,397	113	1,284	—	—		
						Hull	568	484	—	1,052	23	1,029	—	—		
						Rigging and Stores	246	1	—	247	38	200	—	—	{ Casual repairs whilst tem- porarily employed as a Coast Guard Ship at Portland. Supplies and returns.	
						Total	814	485	—	1,299	61	1,238	—	—		
				4 May "	11 July "	Engines and Engineers' Fittings.	80	108	—	188	34	154	—	—		
						Boilers and Engineers' Fittings.	2	13	—	15	3	12	—	—	{ Casual repairs, supplies, and returns.	
						Engineers' Stores	110	—	—	110	33	77	—	—		
						Total	192	121	—	313	70	243	—	—		
SULTAN	12	1,200 (8,639)	5,234 (9,386)	4 May "	11 July "	Engines and Engineers' Fittings.	80	108	—	188	34	154	—	—	Casual repairs, supplies, and returns.	
						Boilers and Engineers' Fittings.	2	13	—	15	3	12	—	—		
						Engineers' Stores	110	—	—	110	33	77	—	—		
						Total	192	121	—	313	70	243	—	—		

Ship	Date	Hull	Engines and Engineers' Fittings, Boilers and Engineers' Fittings, Engineers' Stores	Engines and Engineers' Fittings, Boilers and Engineers' Fittings, Engineers' Stores	Small supplies.	Casual repairs whilst temporarily employed as Coast Guard Ship, Southampton Water. Supplies and returns.
THUNDERER	13 July "	860	490	1,350	36	1,323
	14 Nov. "	1,324	27	1,351	241	1,110
	16 Jan. 1875	2,184	536	2,710	277	2,433
	23 Nov. "	18	51	67	7	60
	20 June "	2	16	18	—	18
	13 Feb. 1875	611	1	612	71	541
	22 June "	629	68	697	78	619
	16 Nov. "	—	1	1	—	1
	23 Nov. "	2	—	2	—	2
	20 June "	2	1	3	—	3
	13 Feb. 1875	—	1	1	—	1
	22 June "	2	—	2	—	2
	16 Jan. 1875	29	12	41	—	41
	23 Nov. "	1,058	1	1,059	48	1,011
	20 June "	1,087	13	1,100	48	1,052
	13 Feb. 1875	89	—	89	—	89
	22 June "	724	12	736	120	616
	16 Jan. 1875	92	—	92	11	81
	23 Nov. "	11,630	15,324	26,954	1,288	25,666
	20 June "	990	659	1,649	192	1,457
	13 Feb. 1875	15,992	1,269	17,261	5,938	11,323
	22 June "	28,612	17,252	45,864	7,408	38,456
	16 Jan. 1875	787	1,144	1,931	264	1,667
	23 Nov. "	2,221	2,431	4,652	982	3,670
	20 June "	3,797	12	3,809	574	3,235
	13 Feb. 1875	6,805	3,587	10,392	1,920	8,572
	22 June "					
	16 Jan. 1875					
	23 Nov. "					
	20 June "					
	13 Feb. 1875					
	22 June "					
	16 Jan. 1875					
	23 Nov. "					
	20 June "					
	13 Feb. 1875					
	22 June "					
	16 Jan. 1875					
	23 Nov. "					
	20 June "					
	13 Feb. 1875					
	22 June "					
	16 Jan. 1875					
	23 Nov. "					
	20 June "					
	13 Feb. 1875					
	22 June "					
	16 Jan. 1875					
	23 Nov. "					
	20 June "					
	13 Feb. 1875					
	22 June "					
	16 Jan. 1875					
	23 Nov. "					
	20 June "					
	13 Feb. 1875					
	22 June "					
	16 Jan. 1875					
	23 Nov. "					
	20 June "					
	13 Feb. 1875					
	22 June "					
	16 Jan. 1875					
	23 Nov. "					
	20 June "					
	13 Feb. 1875					
	22 June "					
	16 Jan. 1875					
	23 Nov. "					
	20 June "					
	13 Feb. 1875					

PORTS MOUTH DOCKYARD AND FACTORY.—No. 4.—DETAILED SHIP ACCOUNT—continued.

No. 2.—WEAR AND TEAR AND MAINTENANCE OF THE FLEET, IN COMMISSION AND IN RESERVE, including REPAIRS, REFITS, ALTERATIONS, &c.—continued.

NAME OF SHIP.	Number of Guns.	Horse Power.	Tonnage.	PERIODS within which the Expense was incurred.		Detailed Head of Charge.	Value of Materials Issued.	Wages.	Payments to Con- tractors, &c. Made and Allowed at Admiralty.	Gross Total, excluding Incidental and Establish- ment Charges.	Value of Materials Returned.	Net Total, excluding Incidental and Establish- ment Charges.	Incidental and Estab- lishment Charges.	Total Expense, inclusive of Incidental and Estab- lishment Charges.	REMARKS.	
				From	To											
NOT IRON CLAD:																
IN COMMISSION:																
ABOUKIR - - -	23	400 (4,533)	3,091 (4,382)	21 Sept. 1874	26 Sept. 1874	Rigging and Stores -	£. - 8	—	—	£. - 8	—	8	—	—	£.	Casual supplies.
ACTIVE - - -	10	600 (4,045)	2,322 (3,078)	20 April "	25 April "	Rigging and Stores -	3	—	—	3	615	612	—	—	—	Supplies and returns.
ADELAIDE - - -	-	-	18	20 July "	20 Mar. 1875	{ Rigging and Stores Engineers' Stores -	22 1	4 —	— —	26 1	22 —	4 1	—	—	—	Casual supplies and re- turns.
ADVENTURE - - -	2	400 (4,227)	1,794 (2,510)	15 June "	18 July 1874	Hull - - -	128	167	—	295	1	294	—	—	—	Additional fittings, &c. Supplies and returns.
						Rigging and Stores -	305	1	—	305	10	296	—	—	—	
						Total - - - £.	433	168	—	601	11	590	—	—	—	
						Engineers' Stores -	16	—	—	16	7	9	—	—	—	
						Hull - - -	70	20	—	90	—	90	—	—	—	
						Masts and Yards -	56	46	—	102	2	100	—	—	—	
						Rigging and Stores -	50	11	—	61	3	58	—	—	—	
				23 Mar. "	18 April "	Total - - - £.	176	77	—	253	5	248	—	—	—	
						Boilers and Engineers' Fittings.	6	10	—	16	—	16	—	—	—	
ALBATROSS - - -	4	120 (338)	727 (894)	20 April "	16 May "	Hull - - -	45	49	—	94	1	93	—	—	—	Casual repairs and altera- tion of rig. Supplies and returns.
						Masts and Yards -	71	104	—	175	40	135	—	—	—	
						Rigging and Stores -	114	53	—	167	45	122	—	—	—	
						Total - - - £.	230	206	—	436	86	350	—	—	—	
						Engineers' Stores -	5	—	—	5	—	5	—	—	—	
				8 June "	11 July "	{ Hull - - - Rigging and Stores -	— 24	1 —	— —	1 24	— —	1 24	—	—	—	
						Total - - - £.	24	1	—	25	—	25	—	—	—	

PORTSMOUTH DOCKYARD AND FACTORY.—No. 4.—DETAILED SHIP ACCOUNT—continued.

No. 2.—WEAR AND TEAR AND MAINTENANCE OF THE FLEET, IN COMMISSION AND IN RESERVE, including REPAIRS, REFITS, ALTERATIONS, &c.—continued.

NAME OF SHIP.	Number of Guns.	Horse Power.	Tonnage.	PERIODS within which the Expense was incurred.		Detailed Head of Charge.	Value of Materials Issued.	Wages.	Payments to Con- tractors, &c. Made and Allowed at Admiralty.	Gross Total, excluding Incidental and Estab- lishment Charges.	Value of Materials Returned.	Net Total, excluding Incidental and Estab- lishment Charges.	Incidental and Estab- lishment Charges.	Total Expense, inclusive of Incidental and Estab- lishment Charges.	REMARKS.
				From	To										
NOT IRON CLAD—continued.															
IN COMMISSION—continued.															
ALERT (Arctic Ship.)	-	5	751 (4,045)	1 Feb. 1875	6 Feb. 1875	Rigging and Stores	£.	—	£.	—	12	£.	12	£.	Casual returns.
ARIADNE	-	26	3,214 (4,583)	25 May 1874	19 Dec. 1874	{ Masts and Yards - Rigging and Stores	—	73 6	—	73 6	—	73 6	—	—	Stripping and examining mast gear.
						Total - - - £.	—	79	—	79	—	79	—	—	
ASTA	-	4	2,289 (3,504)	23 Mar. "	20 Mar. 1875	{ Hull - - - Rigging and Stores	93 935	10 9	—	103 934	2 181	101 753	—	—	{ Casual repairs, supplies, and returns. Guard Ship of Steam Reserve at Portsmouth.
						Total - - - £.	1,018	19	—	1,037	183	854	—	—	
AURORA	-	28	2,558 (4,576)	4 Jan. 1875	6 Feb. "	Engineers' Stores -	238	—	—	238	53	185	—	—	Casual supplies.
						Rigging and Stores	236	—	—	236	—	236	—	—	
BARRACOUTA	-	6	1,053 (—)	4 May 1874	18 July 1874	{ Rigging and Stores Engineers' Stores -	3 10	—	—	3 10	—	3 10	—	—	ditto.
						Hull - - -	6	11	—	17	—	17	—	—	
						Rigging and Stores	1,737	43	—	1,780	78	1,702	—	—	
				30 Mar. "	12 Sept. "	Total - - - £.	1,743	54	—	1,797	78	1,719	—	—	
						Engineers' Stores -	126	—	—	126	—	126	—	—	{ Casual repairs, supplies, and returns. Employed as Training Ship at Portland.
BOSCAWEN (Late "Trafalgar.")	-	16	Late 500 (2,575)	14 Sept. "	20 Mar. 1875	{ Hull - - - Rigging and Stores	44 1,089	17 116	—	61 1,205	10 242	51 963	—	—	
						Total - - - £.	1,133	133	—	1,266	252	1,014	—	—	

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PORTSMOUTH DOCKYARD AND FACTORY.—No. 4.—DETAILED SHIP ACCOUNT—continued.

No. 2.—WEAR AND TEAR AND MAINTENANCE OF THE FLEET, IN COMMISSION AND IN RESERVE, including REPAIRS, REFITS, ALTERATIONS, &c.—continued.

NAME OF SHIP.	Number of Guns.	Horse Power.	Tonnage.	PERIODS within which the Expense was incurred.		Detailed Head of Charge.	Value of Materials Issued.	Wages.	Payments to Con- tractors,&c. Made and Allowed at Admiralty.	Gross Total, excluding Incidental and Estab- lishment Charges.	Value of Materials Returned.	Net Total, excluding Incidental and Estab- lishment Charges.	Incidental and Estab- lishment Charges.	Total Expense, inclusive of Incidental and Estab- lishment Charges.	REMARKS.		
				From	To												
NOT IRON CLAD—continued.																	
IN COMMISSION—continued.																	
DESMOND (Coast Guard Cruiser.)	—	—	70	23 Mar. 1874	16 Jan. 1875	Hull - - -	£. 3	£. 13	£. —	£. 16	£. 1	£. 15					
						Rigging and Stores - -	103	4	—	107	163	56					
						Total - - - £.	106	17	—	123	164	44					
						Engineers' Stores - -	13	—	—	13	—	13				Casual repairs, supplies, and returns.	
DONEGAL	—	800 (3,103)	3,245 (5,481)	22 Feb. 1875	20 Mar. "	Rigging and Stores - -	17	—	—	17	—	17					
						Engineers' Stores - -	2	—	—	2	—	2					
						Rigging and Stores - -	10	—	—	11	—	11				Casual supplies.	
						Total - - - £.	105	31	—	136	304	468					
DROMEDARY	—	180 (640)	1,122 (—)	25 May "	20 Feb. "	Hull - - -	—	10	—	—	—	10					
						Masts and Yards - -	—	15	—	15	—	15					
						Rigging and Stores - -	105	6	—	111	304	493				Works incidental to paying off in July 1874, sup- plies and returns.	
						Total - - - £.	105	31	—	136	304	468					
DRUID	—	350 (2,272)	1,322 (1,870)	13 April "	2 May 1874	Engineers' Stores - -	—	—	—	—	347	347					
						Hull - - -	—	2	—	2	—	2				Transporting vessel.	
						Rigging and Stores - -	239	226	—	455	23	432					
						Total - - - £.	1,494	86	—	1,580	248	1,332					
DUKE OF WELLING- TON).	25	700 (1,999)	3,771 (6,074)	23 Mar. "	20 Mar. 1875	Engines and Engineers' Fittings - -	—	29	—	29	584	555					
						Engineers' Stores - -	359	—	—	359	—	359					Casual repairs, supplies, and returns. Employed as Flag Ship.
						Total - - - £.	1,723	312	—	2,035	271	1,764					
							359	29	—	388	584	496					

EARNINGS	1	60 (188)	236 (284)	6 April "	20 Mar. "	Hull - - - Rigging and Stores	2 33	5 5	- -	7 38	4 4	7 34	Casual repairs, supplies, and returns.
						Total - - - £.	85	10	-	45	4	41	
						Engineers' Stores -	49	-	-	49	-	49	
						Hull - - - Masts and Yards - Rigging and Stores	55 - 97	192 3 45	- - -	247 3 142	- - 13	247 3 129	
						Total - - - £.	152	240	-	392	13	379	
				23 Mar. "	4 July 1874	Engines and Engineers' Fittings.	18	44	-	62	3	59	
						Boilers and Engineers' Fittings.	-	5	-	5	-	5	
						Engineers' Stores -	3	-	-	3	-	3	
						Total - - - £.	21	49	-	70	3	67	
						Hull - - - Rigging and Stores	45 96	21 29	- -	66 125	2 1	64 124	
						Total - - - £.	141	50	-	191	3	188	
				6 July "	5 Dec. "	Engines and Engineers' Fittings.	10	23	-	33	-	33	
						Boilers and Engineers' Fittings.	-	4	-	4	-	4	
						Engineers' Stores -	28	-	-	28	-	28	
						Total - - - £.	38	27	-	65	-	65	
						Hull - - - Rigging and Stores	3 30	34 96	- -	37 66	- 5	37 61	
						Total - - - £.	33	70	-	103	5	98	
				7 Dec. "	20 Mar. 1875	Engines and Engineers' Fittings.	15	48	-	63	-	63	
						Boilers and Engineers' Fittings.	12	24	-	36	-	36	
						Engineers' Stores -	49	-	-	49	2	47	
						Total - - - £.	76	72	-	148	2	146	

Annual refit, and casual
repairs, supplies, and
returns. Employed as
tender to "Victoria and
Albert," Royal Yacht.

PORTSMOUTH DOCKYARD AND FACTORY.—No. 4.—DETAILED SHIP ACCOUNT—continued.

No. 2.—WEAR AND TEAR AND MAINTENANCE OF THE FLEET, IN COMMISSION AND IN RESERVE, including REPAIRS, REFITS, ALTERATIONS, &c.—continued.

NAME OF SHIP.	Number of Guns.	Horse Power.	Tonnage.	PERIODS within which the Expense was incurred.		Detailed Head of Charge.	Value of Materials Issued.	Wages.	Payments to Con- tractors, &c. Made and Allowed at Admiralty.	Gross Total, excluding Incidental and Establish- ment Charges.	Value of Materials Returned.	Net Total, excluding Incidental and Establish- ment Charges.	Incidental and Estab- lishment Charges.	Total Expense, inclusive of Incidental and Estab- lishment Charges.	REMARKS.
				From	To										
NOT IRON CLAD—continued. IN COMMISSION—continued.				23 Mar. 1874	18 April 1874	Hull - - - £.	£.	£.	£.	£.	£.	£.	£.	£.	
						Masts and Yards - -	77	149	-	226	4	222			
						Rigging and Stores -	1	5	-	6	-	6			
						Total - - - £.	132	42	-	174	19	155			
							210	196	-	406	23	383			
						Engines and Engineers' Fittings.	3	22	-	25	-	25			
						Boilers and Engineers' Fittings.	13	25	-	38	-	38			
						Enginers' Stores -	44	-	-	44	1	43			
						Total - - - £.	60	47	-	107	1	106			
						Hull - - - £.	959	544	-	1,503	551	952			
						Masts and Yards -	2	10	-	12	-	12			
						Rigging and Stores -	168	23	-	191	31	160			
						Total - - - £.	1,129	577	-	1,706	582	1,124			
				20 April	18 July	Engines and Engineers' Fittings.	2	7	-	9	-	9			
						Boilers and Engineers' Fittings.	-	2	-	2	-	2			
						Enginers' Stores -	99	2	-	101	-	101			
						Total - - - £.	101	11	-	112	-	112			
						Hull - - - £.	68	128	-	196	13	183			
						Masts and Yards -	-	1	-	1	-	1			
						Rigging and Stores -	159	42	-	201	9	192			
						Total - - - £.	227	171	-	398	22	376			
ENCHANTRESS	-	1	835 (4,378) (985)	20 July	17 Oct.	Engines and Engineers' Fittings.	37	72	-	109	-	109			
						Boilers and Engineers' Fittings.	6	36	-	42	-	42			
						Enginers' Stores -	28	-	-	28	3	25			
						Total - - - £.	71	108	-	179	3	176			

Repairs, supplies, and re-
turns. Tender to "Asia."

Ship	Date	19 Oct. "	10 Dec. "	Hull - - - - Rigging and Stores - - Total - - - £.	5 1	21 3	26 4	26 4	26 4	Casual supplies.
ENCOUNTER	14	350 (2,427)	1,405 (4,954)	Engines and Engineers' Fittings, Boilers and Engineers' Fittings, Engineers' Stores - - Total - - - £.	41 177 3 221	54 201 - 255	95 378 3 476	11 105 - 116	84 273 3 360	
EXCELLENT	13	2,311 (3,994)	20 Mar. 1875	Hull - - - - Rigging and Stores - - Total - - - £.	9 38 47	21 2 23	30 40 70	1 1 2	29 39 68	
			5 Sept. 1874	Engineers' Stores - - Engineers' Stores - - Total - - - £.	34 10 -	- - -	34 10 -	1 - -	33 10	
EXCELLENT	13	2,311 (3,994)	20 Mar. 1875	Hull - - - - Rigging and Stores - - Total - - - £.	1,028 2,848 3,846	1,112 23 1,135	2,140 2,841 4,981	133 276 419	1,997 2,655 4,652	Casual repairs, supplies, returns, &c. Employed as Gunner's Ship.
Ditto (for College).	-	-	20 Mar. "	Engineers' Stores - - Rigging and Stores - - Total - - - £.	315 358 15	- 97 -	315 455 15	- 2 17	315 453 2	Casual supplies and returns.
FANCY	2	00 (202)	27 April "	Engineers' Stores - - Rigging and Stores - - Total - - - £.	1 3 4	- - -	1 3 4	- - -	1 3	Casual supplies
FANTOME	4	120 (975)	10 May "	Hull - - - - Masts and Yards - - Rigging and Stores - - Total - - - £.	42 - 9 51	94 11 3 108	136 11 12 159	10 - - 10	126 11 12 149	Casual repairs, supplies, and returns. Tender to "Duke of Wellington."
FIREQUEEN	-	120 (466)	20 April "	Engines and Engineers' Fittings, Boilers and Engineers' Fittings, Engineers' Stores - - Total - - - £.	- - 3 3	1 1 - 2	1 1 3 5	- - - -	1 1 3 5	

PORTSMOUTH DOCKYARD AND FACTORY.—No. 4.—DETAILED SHIP ACCOUNT—continued.

No 2.—WEAR AND TEAR AND MAINTENANCE OF THE FLEET, IN COMMISSION AND IN RESERVE, including REPAIRS, REFITS, ALTERATIONS, &c.—continued.

NAME OF SHIP.	Number of Guns.	Horse Power.	Tonnage.	PERIODS within which the Expense was incurred.		Detailed Head of Charge.	Value of Materials Issued.	Wages.	Payments to Con- tractors, &c. Made and Allowed at Admiralty.	Gross Total, excluding Incidental and Establish- ment Charges.	Value of Materials Returned.	Net Total, excluding Incidental and Establish- ment Charges.	Incidental and Estab- lishment Charges.	Total Expense, inclusive of Incidental and Estab- lishment Charges.	REMARKS.	
				From	To											
NOT IRON CLAD—continued. IN COMMISSION—continued.																
				8 June 1874	19 Dec. 1874	Hull - - - £. Masts and Yards - - Rigging and Stores - - Total - - - £.	£. 128 12 45 185	£. 143 15 12 170	£. — — — —	£. 271 27 57 355	£. 16 1 8 26	£. 255 26 49 330		£.		
						Engines and Engineers' Fittings. Boilers and Engineers' Fittings. Engineers' Stores - - Total - - - £.	— — 41 41	2 1 — 3	— — — —	2 1 41 44	— — 1 1	2 1 40 43				Casual repairs, supplies, and returns. Tender to "Duke of Wellington."
FIREQUEEN—contd.		120 (166)	313 (—)			Hull - - - Rigging and Stores - - Total - - - £.	29 12 41	10 7 17	— — —	39 19 58	13 1 14	26 18 44				
				21 Dec. "	20 Mar. 1875	Engines and Engineers' Fittings. Engineers' Stores - - Total - - - £.	1 14 15	8 — 8	— — —	9 14 23	3 — 3	6 14 20				
						Hull - - - Masts and Yards - - Rigging and Stores - - Total - - - £.	145 8 239 392	3 1 11 14	— — — —	147 9 250 406	10 — 86 96	137 9 164 310				Casual repairs, supplies, and returns.
FLY - - - (Coast Guard Cruiser.)			60	4 April "	17 Oct. 1874	Engineers' Stores - -	11	—	—	11	—	11				

NAME	4	60 (406)	205 (430)	8 June "	20 June "	Engines and Engineers' Fittings.	2	1	—	3	2	1	Slight repair to machinery and returns.
FOX	2	200 (764)	1,131 (1,780)	31 Mar. "	1 Aug. "	{ Hull - - - Rigging and Stores - -	8 27	40 1	—	48 28	1 2	47 26	Small repairs, supplies, and returns.
				3 Aug. "	21 Nov. "	{ Hull - - - Rigging and Stores - -	1	11	—	12	—	12	
				21 Dec. "	9 Jan. 1875	{ Hull - - - Rigging and Stores - -	12 73	26 8	—	38 81	1 —	37 81	
				11 Jan. 1875	20 Mar. "	{ Hull - - - Rigging and Stores - -	85	34	—	119	1	118	
				23 Mar. 1874	7 Nov. 1874	{ Hull - - - Masts and Yards - - Rigging and Stores - -	— 58	10 —	—	10 58	1 31	9 27	
FRANCES (Coast Guard Cruiser.)	—	70	—	14 Dec. "	20 Mar. 1875	{ Hull - - - Masts and Yards - - Rigging and Stores - -	2 9 28	2 3 4	—	4 12 32	— 4 4	4 8 28	Casual repairs, supplies, and returns.
				20 Dec. "	16 Jan. "	{ Hull - - - Masts and Yards - - Rigging and Stores - -	39	9	—	48	8	40	
				26 Oct. "	6 Mar. "	{ Hull - - - Rigging and Stores - -	348	1	—	349	57	292	
				23 Mar. "	5 Dec. 1874	{ Hull - - - Rigging and Stores - -	25	1	—	20	5	21	
				14 Dec. "	19 Dec. "	{ Hull - - - Rigging and Stores - -	3	—	—	3	—	3	
GNAT (Coast Guard Cruiser.)	—	—	10	20 Dec. "	16 Jan. "	{ Hull - - - Masts and Yards - - Rigging and Stores - -	39	9	—	48	8	40	Examining chain cable.
				26 Oct. "	6 Mar. "	{ Hull - - - Rigging and Stores - -	348	1	—	349	57	292	
				23 Mar. "	5 Dec. 1874	{ Hull - - - Rigging and Stores - -	25	1	—	20	5	21	
				14 Dec. "	19 Dec. "	{ Hull - - - Rigging and Stores - -	3	—	—	3	—	3	
				20 Dec. "	16 Jan. "	{ Hull - - - Masts and Yards - - Rigging and Stores - -	39	9	—	48	8	40	
HAWK (Coast Guard Cruiser.)	1	70 (434)	372 (400)	26 Oct. "	6 Mar. "	{ Hull - - - Rigging and Stores - -	348	1	—	349	57	292	Supplies and returns.
				23 Mar. "	5 Dec. 1874	{ Hull - - - Rigging and Stores - -	25	1	—	20	5	21	
				14 Dec. "	19 Dec. "	{ Hull - - - Rigging and Stores - -	3	—	—	3	—	3	
				20 Dec. "	16 Jan. "	{ Hull - - - Masts and Yards - - Rigging and Stores - -	39	9	—	48	8	40	
				26 Oct. "	6 Mar. "	{ Hull - - - Rigging and Stores - -	348	1	—	349	57	292	
HIMALAYA	3	700 (2,556)	3,453 (4,490)	26 Oct. "	6 Mar. "	{ Hull - - - Rigging and Stores - -	348	1	—	349	57	292	Casual repairs, supplies, and returns.
				23 Mar. "	5 Dec. 1874	{ Hull - - - Rigging and Stores - -	25	1	—	20	5	21	
				14 Dec. "	19 Dec. "	{ Hull - - - Rigging and Stores - -	3	—	—	3	—	3	
				20 Dec. "	16 Jan. "	{ Hull - - - Masts and Yards - - Rigging and Stores - -	39	9	—	48	8	40	
				26 Oct. "	6 Mar. "	{ Hull - - - Rigging and Stores - -	348	1	—	349	57	292	

Ship.	Date.	250 (1,750)	835 (—)	10 Jan. 1875	Rigging and Stores - Total - - - £.	8 12	— 12	— —	8 24	— —	8 24	Casual repairs and supplies.
LIVELY	6 April "	250 (1,750)	835 (—)	10 Jan. 1875	Engines and Engineers' Fittings, Engineers' Stores - Total - - - £.	1 2 3	— — —	— — —	1 2 3	— — —	1 2 3	Casual repairs and supplies.
LUCIFER	4 Jan. 1875	180 (1,800)	383 (—)	9 Jan. "	Rigging and Stores -	—	—	—	—	2	2	Returns.
MARTIN	23 Mar. 1874	—	481 (1,889)	20 Mar. "	Hull - - - Masts and Yards - - Rigging and Stores - Total - - - £.	100 22 604 786	59 5 13 77	— — — —	159 27 677 803	4 1 122 127	155 26 556 736	Casual repairs and refitting rigging; supplies and returns, Tender to "St. Vincent."
NARRAU	20 April "	150 (755)	635 (877)	25 April 1874	Engineers' Stores -	32	—	—	32	—	32	Casual supplies.
NIMBLE	6 July "	80 (320)	438 (370)	11 July "	Rigging and Stores -	14	—	—	14	—	14	ditto.
NYMPHE	1 Feb. 1875	300 (2,472)	1,084 (4,574)	6 Feb. 1875	Rigging and Stores -	1	—	—	1	—	1	ditto.
ORONTES	20 July 1874	—	— (5,600)	3 Oct. 1874	Rigging and Stores - Engineers' Stores -	— 232	— —	— —	— 232	179 232	179 —	Supplies and returns.
OSBORNE (Royal Yacht.)	8 June "	450 (2,700)	1,536 (—)	20 Mar. 1875	Hull - - - Masts and Yards - - Rigging and Stores - Total - - - £.	2,307 5 10,271 12,583	3,076 8 246 3,330	— — — —	5,363 13 10,517 15,913	217 — 549 706	5,106 13 9,968 15,147	Alterations, refitting, &c.; supplies and returns.
					Engines and Engineers' Fittings, Boilers and Engineers' Stores -	32 154 600 786	91 203 — 294	— — — —	123 357 600 1,080	1 24 130 155	122 333 470 925	

RALBIGH	22	800 (5,639)	27 July "	26 Sept. 1874	Hull - - - - £. Masts and Yards - - Rigging and Stores - Total - - - - £.	204 36 733 973	277 9 -- 286	-- -- -- --	481 45 783 1,259	13 1 39 53	468 44 694 1,206	Casual repairs and new blades to screw propeller. Supplies and returns.
					Engines and Engineers' Fittings. Boilers and Engineers' Fittings. Engineers' Stores Total - - - - £.	1,496 141 119 1,756	120 138 -- 248	-- -- -- --	1,616 269 119 2,004	263 23 13 289	1,363 246 106 1,715	
					Hull - - - - Masts and Yards - - Rigging and Stores - Total - - - - £.	-- 53 53	13 28 10 51	-- -- -- --	13 28 63 104	-- 13 756 769	13 15 693 665	Works incidental to paying off in July 1874.
					Engineers' Stores - Rigging and Stores - Total - - - - £.	-- 47 47	-- -- --	-- -- --	-- 47 47	89 -- 47	89 47	Casual supplies.
ROCKET	4	120 (632)	28 Sept. "	3 Oct. "	Hull - - - - Masts and Yards - - Rigging and Stores - Total - - - - £.	842 235 3,437 4,514	151 278 387 816	-- -- -- --	493 513 3,824 5,330	63 40 465 508	930 473 3,419 4,822	Casual repairs, rigging ship, supplies and returns.
					Engineers' Stores - Rigging and Stores - Total - - - - £.	178 -- --	-- -- --	-- -- --	178 -- --	-- -- --	178	
					Hull - - - - Masts and Yards - - Rigging and Stores - Total - - - - £.	7 89 96	29 7 36	-- -- --	36 96 132	1 14 15	35 32 117	
					Boilers and Engineers' Fittings. Engineers' Stores Total - - - - £.	38 53 91	111 -- 111	-- -- --	149 53 202	-- 3 3	149 50 199	Casual repairs, supplies and returns.
ST. VINCENT	22	2612 (4,672)	23 Mar. "	11 July 1874	Hull - - - - Masts and Yards - - Rigging and Stores - Total - - - - £.	6 24 30	7 1 8	-- -- --	13 25 38	-- 11 11	13 14 27	
					Engines and Engineers' Fittings. Boilers and Engineers' Fittings. Engineers' Stores Total - - - - £.	1,496 141 119 1,756	120 138 -- 248	-- -- -- --	1,616 269 119 2,004	263 23 13 289	1,363 246 106 1,715	
					Hull - - - - Masts and Yards - - Rigging and Stores - Total - - - - £.	-- 53 53	13 28 10 51	-- -- -- --	13 28 63 104	-- 13 756 769	13 15 693 665	Works incidental to paying off in July 1874.
					Engineers' Stores - Rigging and Stores - Total - - - - £.	-- 47 47	-- -- --	-- -- --	-- 47 47	89 -- 47	89 47	Casual supplies.
SALAMANDER	2	220 (506)	13 July "	13 Mar. 1875	Hull - - - - Masts and Yards - - Rigging and Stores - Total - - - - £.	6 24 30	7 1 8	-- -- --	13 25 38	-- 11 11	13 14 27	
					Engines and Engineers' Fittings. Boilers and Engineers' Fittings. Engineers' Stores Total - - - - £.	1,496 141 119 1,756	120 138 -- 248	-- -- -- --	1,616 269 119 2,004	263 23 13 289	1,363 246 106 1,715	
					Hull - - - - Masts and Yards - - Rigging and Stores - Total - - - - £.	-- 53 53	13 28 10 51	-- -- -- --	13 28 63 104	-- 13 756 769	13 15 693 665	Works incidental to paying off in July 1874.
					Engineers' Stores - Rigging and Stores - Total - - - - £.	-- 47 47	-- -- --	-- -- --	-- 47 47	89 -- 47	89 47	Casual supplies.

PORTSMOUTH DOCKYARD AND FACTORY.—No. 4.—DETAILED SHIP ACCOUNT—continued.

No. 2.—WEAR AND TEAR AND MAINTENANCE OF THE FLEET, IN COMMISSION AND IN RESERVE, including REPAIRS, REFITS, ALTERATIONS, &c.—continued.

NAME OF SHIP.	PERIODS within which the Expense was incurred.		Tonnage.	Horse Power.	Number of Guns.	Detailed Head of Charge	Value of Materials Issued.	Wages.	Payments to Con- tractors, &c. Made and Allowed at Admiralty.	Gross Total, excluding Incidental and Estab- lishment Charges.	Value of Materials Returned.	Net Total, excluding Incidental and Estab- lishment Charges.	Incidental and Estab- lishment Charges.	Total Expense, inclusive of Incidental and Estab- lishment Charges.	REMARKS.
	From	To													
NOT IRON CLAD—continued.															
IN COMMISSION—continued.															
SAPHO - - -	5 Oct. 1874	10 Oct. 1874	727 (894)	120 (736)	4	Rigging and Stores -	£. 1	—	—	£. 1	—	1	—	—	Small supplies.
	23 Mar. "	11 April "				Hull - - -	7	4	—	11	—	11	—	—	
						Rigging and Stores -	51	3	—	54	15	39	—	—	
						Total - - - £.	58	7	—	65	15	50	—	—	
						Engineers' Stores -	10	—	—	10	—	10	—	—	Casual repairs, and re- fitting rigging; supplies and returns. Tender to "Boscawen."
SEAFLOWER - - -	18 May "	20 Mar. 1875	425 (454)	—	8	Hull - - -	53	40	—	93	—	93	—	—	
						Masts and Yards -	9	—	—	9	—	9	—	—	
						Rigging and Stores -	332	6	—	338	46	292	—	—	
						Total - - - £.	394	46	—	440	46	394	—	—	
						Engineers' Stores -	27	—	—	27	—	27	—	—	
						Hull - - -	39	91	—	130	5	125	—	—	
						Masts and Yards -	3	2	—	5	—	5	—	—	
						Rigging and Stores -	71	16	—	87	16	71	—	—	
						Total - - - £.	113	109	—	222	21	201	—	—	
	6 April "	19 Dec. 1874				Engines and Engineers' Fittings.	1	14	—	15	—	15	—	—	
						Boilers and Engineers' Fittings.	21	14	—	35	12	23	—	—	
						Engineers' Stores -	32	1	—	33	10	23	—	—	Casual repairs, supplies, and returns.
						Total - - - £.	54	29	—	83	22	61	—	—	
SEAMEW - - - (Coast Guard Tender.)	21 Dec. "	27 Feb. 1875				Rigging and Stores -	31	—	—	31	2	29	—	—	
						Engineers' Stores -	32	—	—	32	—	32	—	—	

Casual repairs, and re-fitting rigging; supplies and returns. Tender to "Boscawen."

[illegible]

PORTSMOUTH DOCKYARD AND FACTORY.—No. 4.—DETAILED SHIP ACCOUNT—continued.

No. 2.—WEAR AND TEAR AND MAINTENANCE OF THE FLEET, IN COMMISSION AND IN RESERVE, including REPAIRS, REPTS, ALTERATIONS, &c.—continued.

NAME OF SHIP.	Number of Guns.	Horse Power.	Tonnage.	PERIODS within which the Expense was incurred.		Detailed Head of Charge.	Value of Materials Issued.	Wages.	Payments to Con- tractors, &c. Made and Allowed at Admiralty.	Gross Total, excluding Incidental and Establish- ment Charges.	Value of Materials Returned.	Net Total, excluding Incidental and Establish- ment Charges.	Incidental and Estab- lishment Charges.	Total Expense, inclusive of Incidental and Estab- lishment Charges.	REMARKS.
				From	To										
NOT IRON CLAD—continued.															
IN COMMISSION—continued.															
SPEEDY	2	60 (218)	273 (330)	6 April 1874	6 Feb. 1875	Hull - - - Rigging and Stores - Total - - - £.	£. 4 2 6	£. 1 1 2	£. — — —	£. 5 3 8	£. — — —	£. 5 3 8	£.	£.	Taking account of fixtures and supplies. Tender to "Asia."
				23 Mar. "	18 April 1874	Engineers' Stores - Hull - - - Rigging and Stores - Total - - - £.	8 49 742 791	— 73 2 75	— — — —	8 122 744 866	— 13 73 86	8 109 671 780	£.	£.	Casual repairs, additional ventilation; supplies and returns.
SPITEFUL	5	280 (796)	1,054 (—)	11 May "	21 Nov. "	Engineers' Stores - Rigging and Stores - Engineers' Stores -	90 16 8	— — —	— — —	90 16 3	19 — —	71 16 3	£.	£.	Casual repairs, supplies and returns.
				23 Mar. "	13 June "	Hull - - - Rigging and Stores - Total - - - £.	36 48 84	70 1 71	— — —	106 49 155	1 3 4	105 46 151	£.	£.	
						Engineers' Stores -	11	—	—	11	—	11	£.	£.	
SPRIGHTLY	—	100 (214)	234 (—)	15 June "	20 Mar. 1875	Hull - - - Masts and Yards - - Rigging and Stores - Total - - - £.	22 1 47 70	55 3 4 62	— — — —	77 4 51 132	2 — 9 11	76 4 42 121	£.	£.	Casual repairs, supplies and returns. Tender to "Duke of Wellington."
						Engines and Engineers' Fittings, Boilers and Engineers' Fittings, Engineers' Stores - Total - - - £.	— — 60 60	1 2 — 3	— — — —	1 2 60 63	— — 2 2	1 2 58 61	£.	£.	

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PORTSMOUTH DOCKYARD AND FACTORY.—No. 4.—DETAILED SHIP ACCOUNT—continued.

No. 2.—WEAR AND TEAR AND MAINTENANCE OF THE FLEET, IN COMMISSION AND IN RESERVE, including REPAIRS, REFITS, ALTERATIONS, &c.—continued.

NAME OF SHIP.	Number of Guns.	Horse Power.	Tonnage.	PERIODS within which the Expense was incurred.		Detailed Head of Charge.	Value of Materials Issued.	Wages.	Payments to Con- tractors, &c. Made and Allowed at Admiralty.	Gross Total, excluding Incidental and Estab- lishment Charges.	Value of Materials Returned.	Net Total, excluding Incidental and Estab- lishment Charges.	Incidental and Estab- lishment Charges.	Total Expense, inclusive of Incidental and Estab- lishment Charges.	REMARKS.	
				From	To											
NOT IRON CLAD—continued.																
IN COMMISSION—continued.																
STEAM CUTTER, No. 37 (Attached to "Flying Fish.")	—	2½	4½	20 July 1874	25 July 1874	Rigging and Stores	£. 7	—	—	£. 7	—	£. 7	—	£.	Casual supplies.	
				14 Dec. "	13 Mar. 1875	Hull Boilers and Engineers' Fittings.	10 5	41 —	— —	51 5	— —	51 5	— —	— —	Refitting.	
STEAM CUTTER, No. 39 (Attached to "Os- borne.")	—	3	6	20 April "	20 Mar. "	Hull	8	—	—	8	—	8	—	—	Repairing boiler; supplies and returns.	
						Rigging and Stores	11	8	—	19	—	19	—	—		
						Total - - - £.	19	8	—	27	—	27	—	—		
						Engines and Engineers' Fittings.	13	—	—	13	—	13	—	—		
STEAM LAUNCH, No. 9 (Surveying Service.)	—	5	25	9 Nov. "	14 Nov. 1874	Boilers and Engineers' Fittings.	24	30	—	54	12	42	—	—	Materials supplied.	
						Engines' Stores	5	—	—	5	—	5	—	—		
						Total - - - £.	42	30	—	72	12	60	—	—		
						Engines and Engineers' Fittings.	9	—	—	9	—	9	—	—		
STEAM LAUNCH, No. 13 (Attached to "Ex- cellent.")	—	6	22	8 June "	13 June "	Engines and Engineers' Fittings.	1	—	—	1	—	1	—	—	- - ditto.	
						Boilers and Engineers' Fittings.	—	1	—	1	—	1	—	—		
						Rigging and Stores	3	—	—	3	—	3	—	—		
						Engines and Engineers' Fittings.	12	—	—	12	—	12	—	—		
STEAM LAUNCH, No. 26 (Attached to "Zea- lous.")	—	6	23	4 May "	17 Oct. "	Boilers and Engineers' Fittings.	23	5	—	28	5	23	—	—	Testing boiler.	
						Engines' Stores	9	—	—	9	—	9	—	—		
						Total - - - £.	44	5	—	49	5	44	—	—		
						Engines and Engineers' Fittings.	12	—	—	12	—	12	—	—		
STEAM LAUNCH, No. 41 (Attached to "Duke of Wellington.")	—	6	23	20 April "	20 Mar. "	Hull	8	—	—	8	—	8	—	—	Repairing boiler; supplies and returns.	
						Rigging and Stores	11	8	—	19	—	19	—	—		
						Total - - - £.	19	8	—	27	—	27	—	—		
						Engines and Engineers' Fittings.	13	—	—	13	—	13	—	—		
STEAM LAUNCH, No. 12 (Attached to "Asia.")	—	6	23	9 Nov. "	14 Nov. 1874	Boilers and Engineers' Fittings.	24	30	—	54	12	42	—	—	Materials supplied.	
						Engines' Stores	5	—	—	5	—	5	—	—		
						Total - - - £.	42	30	—	72	12	60	—	—		
						Engines and Engineers' Fittings.	9	—	—	9	—	9	—	—		
STEAM LAUNCH, No. 13 (Attached to "Ex- cellent.")	—	6	22	8 June "	13 June "	Engines and Engineers' Fittings.	1	—	—	1	—	1	—	—	- - ditto.	
						Boilers and Engineers' Fittings.	—	1	—	1	—	1	—	—		
						Rigging and Stores	3	—	—	3	—	3	—	—		
						Engines and Engineers' Fittings.	12	—	—	12	—	12	—	—		
STEAM LAUNCH, No. 26 (Attached to "Zea- lous.")	—	6	23	4 May "	17 Oct. "	Boilers and Engineers' Fittings.	23	5	—	28	5	23	—	—	Testing boiler.	
						Engines' Stores	9	—	—	9	—	9	—	—		
						Total - - - £.	44	5	—	49	5	44	—	—		
						Engines and Engineers' Fittings.	12	—	—	12	—	12	—	—		

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PORTSMOUTH DOCKYARD AND FACTORY.—No. 4.—DETAILED SHIP ACCOUNT—continued.

No. 2.—WEAR AND TEAR AND MAINTENANCE OF THE FLEET, IN COMMISSION AND IN RESERVE, including REPAIRS, REFITS, ALTERATIONS, &c.—continued.

NAME OF SHIP.	Number of Guns	Horse Power.	Tonnage.	PERIODS within which the Expense was incurred.		Detailed Head of Charge.	Value of Materials Issued.	Wages.	Payments to Con- tractors,&c. Made and Allowed at Admiralty.	Gross Total, excluding Incidental and Establish- ment Charges.	Value of Materials Returned.	Net Total, excluding Incidental and Establish- ment Charges.	Incidental and Estab- lishment Charges.	Total Expense, inclusive of Incidental and Estab- lishment Charges.	REMARKS.
				From	To										
NOT IRON CLAD—continued.															
IN COMMISSION—continued.															
STEAM PINNACE, No. 19 (Attached to "Sultan.")	—	6	13	31 Mar. 1874	16 May 1874	Hull - - - -	£. 5	£. 13	£. —	£. 18	—	£. 18	—	£.	
						Engines and Engineers' Fittings.	3	10	—	13	—	13	—		
						Boilers and Engineers' Fittings.	7	8	*231	246	12	234	—		
						Total - - - £.	10	18	231	259	12	247	—		Refitting and returns. * New boiler.
STEAM PINNACE, No. 20 (Attached to "Ex- cellent.")	—	6	13	12 Oct. "	7 Nov. "	Hull - - - -	8	12	—	20	1	19	—		
				27 July "	1 Aug. "	Engineers' Stores -	4	—	—	4	—	4	—		
						Hull - - - -	10	15	—	25	—	25	—		Refitting and supplies.
				12 Oct. "	20 Mar. 1875	Boilers and Engineers' Fittings. Engineers' Stores -	8 1	— —	— —	8 1	— —	8 1	—		
						Total - - - £.	9	—	—	9	—	9	—		
STEAM PINNACE, No. 21 (Attached to "Duke of Wellington.")	—	6	13			Hull - - - -	11	37	—	48	10	38	—		
						Rigging and Stores -	1	—	—	1	—	1	—		
						Total - - - £.	12	37	—	49	10	39	—		
				23 Mar. "	20 Feb. "	Engines and Engineers' Fittings. Boilers and Engineers' Fittings. Engineers' Stores -	1 4 6	— — —	— — —	1 4 6	— — —	1 4 6	—		Refitting, supplies, and returns.
						Total - - - £.	11	—	—	11	—	11	—		

STEAM PINNACE, No. 39 (Attached to "Mino- taur.")	6	13	11 May "	16 May 1874	Engineers' Stores -	2	-	-	2	-	2	-	2	Casual supplies.
			8 Feb. 1875	13 Feb. 1875	Engineers' Stores -	1	-	-	1	-	1	-	1	-
					Hull - - - -	2	9	-	11	-	11	-	11	-
STEAM PINNACE, No. 49 (Attached to "Victor Emanuel.")	6	12	4 May 1874	4 July 1874	Engines and Engineers' Fittings.	1	-	-	1	-	1	-	1	Refitting and supplies.
					Engineers' Stores -	2	-	-	2	-	2	-	2	-
					Total - - - £.	3	-	-	3	-	3	-	3	-
STEAM PINNACE, No. 58 (Attached to "Devas- tation.")	4½	8	1 Feb. 1875	6 Feb. 1875	Boilers and Engineers' Fittings.	3	-	-	3	-	3	-	3	Materials supplied.
					Hull - - - -	33	82	-	115	2	113	-	113	-
					Rigging and Stores -	122	9	-	131	3	128	-	128	-
					Total - - - £.	155	91	-	246	5	241	-	241	-
			22 June 1874	7 Nov. 1874	Engines and Engineers' Fittings.	-	2	-	2	-	2	-	2	-
					Boilers and Engineers' Fittings.	-	1	-	1	-	1	-	1	-
					Engineers' Stores -	142	-	-	142	20	122	-	122	-
					Total - - - £.	142	3	-	145	20	125	-	125	Casual repairs, supplies, and returns.
TAMOR - - - -	2	500 (1,866)	9 Nov. "	21 Nov. "	Hull - - - -	1	5	-	6	-	6	-	6	-
					Rigging and Stores -	73	-	-	73	-	73	-	73	-
					Total - - - £.	74	5	-	79	-	79	-	79	-
			21 Dec. "	26 Dec. "	Hull - - - -	95	-	-	95	-	95	-	95	-
			15 Feb. 1875	27 Feb. 1875	Hull - - - -	5	49	-	54	-	54	-	54	-
					Hull - - - -	8	13	-	21	-	21	-	21	-
					Rigging and Stores -	91	2	-	93	2	91	-	91	-
					Total - - - £.	99	15	-	114	2	112	-	112	-
THRASHER - - - -	2	234 (284)	2 Nov. 1874	6 Feb. "	Engines and Engineers' Fittings.	-	2	-	2	-	2	-	2	Casual repairs, supplies, and returns. Tender to "Hector."
					Boilers and Engineers' Fittings.	7	4	-	11	-	11	-	11	-
					Engineers' Stores -	65	-	-	65	2	63	-	63	-
					Total - - - £.	72	6	-	78	2	76	-	76	-

PORTSMOUTH DOCKYARD AND FACTORY.—No. 4.—DETAILED SHIP ACCOUNT—continued.

NAME OF SHIP.	Number of Guns.	Horse Power.	Tonnage.	PERIODS within which the Expense was incurred.		Detailed Head of Charge.	Value of Materials Issued.	Wages.	Payments to Con- tractors,&c. Made and Allowed at Admiralty.	Gross Total, excluding Incidental and Establish- ment Charges.	Value of Materials Returned.	Net Total, excluding Incidental and Establish- ment Charges.	Incidental and Estab- lishment Charges.	Total Expense, inclusive of Incidental and Estab- lishment Charges.	REMARKS.
				From	To										
NOT IRON CLAD—continued.															
IN COMMISSION—continued.															
VESITAL	-	300 (2,454)	1,081 (1,574)	22 Feb. 1875	27 Feb. 1875	Rigging and Stores	39	—	—	30	—	39	—	—	Supplies whilst refitting for sea service.
VESUVIUS	-	-	-	5 Oct. 1874	6 Mar. "	Hull - - - Rigging and Stores Total - - - £.	— 96 96	8 1 9	— — —	8 97 105	— — —	8 97 105	— — —	— — —	Works incidental to com- missioning in September 1874. Tender to "Ex- cellent."
						Engineers' Stores	100	1	—	101	9	92			
						Hull - - - Masts and Yards - Rigging and Stores Total - - - £.	899 1 985	1,182 4 102	— — —	2,081 5 1,087	229 — 119	1,852 5 968			
				20 April "	4 July 1874	Engines and Engineers' Fittings. Boilers and Engineers' Fittings. Engineers' Stores - Total - - - £.	42 118 271 431	12 178 1 191	— — — —	54 296 272 622	— 5 21 26	54 291 251 596			Refitting for a receiving ship at Hong Kong.
VICTOR EMANUEL	-	600 (2,424)	3,087 (5,157)	6 July "	18 July "	Hull - - - Rigging and Stores Total - - - £.	17 42 59	3 — 3	— — —	20 42 62	14 — 14	6 42 48			

VICTORIA AND ALBERT.	2	600 (2,980)	2,345 (2,000)	23 Mar. "	16 May "	Hull - - - - £.	583	1,229	-	1,812	39	1,773	Fitted with new boilers, and refitting the ship, supplies and returns. * Ash ejectors supplied.
						Masts and Yards - -	8	18	-	26	-	26	
						Rigging and Stores - -	757	404	-	1,161	44	1,117	
						Total - - - - £.	1,348	1,651	-	2,999	83	2,916	
VICTORY.	26	-	2,164	13 April "	20 Mar. "	Engines and Engineers' Fittings.	11	33	-	44	-	44	Casual repairs, supplies, and returns. Tender to "Duke of Wellington."
						Boilers and Engineers' Fittings.	14	16	-	30	-	30	
						Enginers' Stores - -	247	-	-	247	15	232	
						Total - - - - £.	272	49	-	321	15	306	
VIGILANT	2	250 (1,845)	885 (-)	7 Sept. "	24 Oct. "	Hull - - - -	2,685	4,292	-	6,927	696	6,231	Repaired and refitted for service in China, supplies and returns. Commissioned 1st September 1874.
						Masts and Yards - -	280	146	-	426	33	393	
						Rigging and Stores - -	1,866	988	-	2,854	186	2,668	
						Total - - - - £.	4,781	4,826	-	9,607	915	8,692	
VICTORY.	26	-	2,164	13 April "	20 Mar. "	Engines and Engineers' Fittings.	393	1,086	*229	1,708	69	1,639	Casual repairs, supplies, and returns. Tender to "Duke of Wellington."
						Boilers and Engineers' Fittings.	10,906	2,646	-	13,552	3,343	10,209	
						Enginers' Stores - -	238	24	-	262	46	216	
						Total - - - - £.	11,537	3,756	229	15,522	3,458	12,064	
VIGILANT	2	250 (1,845)	885 (-)	7 Sept. "	24 Oct. "	Hull - - - -	60	26	-	86	29	57	Repaired and refitted for service in China, supplies and returns. Commissioned 1st September 1874.
						Masts and Yards - -	479	-	-	479	16	463	
						Rigging and Stores - -	589	26	-	565	45	520	
						Total - - - - £.	90	-	-	90	-	90	
VICTORY.	26	-	2,164	13 April "	20 Mar. "	Engines and Engineers' Fittings.	183	257	-	440	13	427	Repaired and refitted for service in China, supplies and returns. Commissioned 1st September 1874.
						Boilers and Engineers' Fittings.	10	33	-	43	-	43	
						Enginers' Stores - -	155	28	-	183	966	183	
						Total - - - - £.	348	318	-	663	379	287	
VIGILANT	2	250 (1,845)	885 (-)	7 Sept. "	24 Oct. "	Engines and Engineers' Fittings.	213	473	-	686	95	591	Repaired and refitted for service in China, supplies and returns. Commissioned 1st September 1874.
						Boilers and Engineers' Fittings.	654	500	-	1,154	13	1,141	
						Enginers' Stores - -	505	7	-	512	355	157	
						Total - - - - £.	1,372	980	-	2,352	463	1,889	
VICTORY.	26	-	2,164	13 April "	20 Mar. "	Hull - - - -	10	25	-	35	-	35	Repaired and refitted for service in China, supplies and returns. Commissioned 1st September 1874.
						Masts and Yards - -	639	-	-	639	206	433	
						Rigging and Stores - -	649	25	-	674	206	468	
						Total - - - - £.	18	3	-	21	2	19	
VIGILANT	2	250 (1,845)	885 (-)	7 Sept. "	24 Oct. "	Engines and Engineers' Fittings.	5	-	-	5	-	5	Repaired and refitted for service in China, supplies and returns. Commissioned 1st September 1874.
						Boilers and Engineers' Fittings.	5	-	-	5	-	5	
						Enginers' Stores - -	23	3	-	26	2	24	
						Total - - - - £.	23	3	-	26	2	24	

PORTSMOUTH DOCKYARD AND FACTORY.—No. 4.—DETAILED SHIP ACCOUNT—continued.

No. 2.—WEAR AND TEAR AND MAINTENANCE OF THE FLEET, IN COMMISSION AND IN RESERVE, including REPAIRS, RETIES, ALTERATIONS, &c.—continued.

NAME OF SHIP.	Number of Guns.	Horse Power.	Tonnage.	PERIODS within which the Expense was incurred.		Detailed Head of Charge.	Value of Materials Issued.	Wages, &c. Allowed at Admiralty.	Gross Total, excluding Incidental and Establish- ment Charges.	Value of Materials Returned.	Net Total, excluding Incidental and Establish- ment Charges.	Incidental and Estab- lishment Charges.	Total Expense, inclusive of Incidental and Estab- lishment Charges.	REMARKS.
				From	To									
NOT IRON CLAD—continued.														
IN COMMISSION—continued.														
VOLAGE - - -	18	600 (4,552)	2,322 (3,078)	23 Mar. 1874	18 July 1874	Hull - - - Rigging and Stores - - Total - - - £.	£. 5 2,150 2,155	£. 69 — 69	£. 74 2,150 2,224	£. — 5 5	£. 74 2,145 2,219	-	-	Works incidental to com- missioning in July 1874, supply of sea stores, &c.
WYE - - -	-	(629)	(1,161)	20 July "	1 Aug. "	Hull - - - Rigging and Stores - - Total - - - £.	£. 1 103 104	£. — — —	£. 1 103 104	£. — — —	£. 1 103 104	-	-	Small repair and supplies.
						Hull - - - Rigging and Stores - - Total - - - £.	£. — 4 4	£. 7 — 7	£. 7 4 11	£. — — —	£. 7 4 11	-	-	
						Boilers and Engineers' Fittings. Total - - - £.	£. —	£. 6	£. 6	£. —	£. —	£. 6	-	
				TOTAL - - -		Hull - - - Masts and Yards - - Rigging and Stores - - Total - - - £.	£. 13,022 916 42,331 56,269	£. 16,615 972 2,772 20,359	£. 29,637 1,888 45,103 76,628	£. 2,331 172 6,500 9,003	£. 27,306 1,716 38,603 67,625	See Abstract (p. 326).		
				TOTAL - - -		Engines and Engineers' Fittings. Boilers and Engineers' Fittings. Engineers' Stores - - TOTAL - - - £.	£. 2,452 12,828 6,830 22,110	£. 2,391 4,548 37 6,976	£. 5,072 17,607 6,867 29,546	£. 1,027 3,592 1,741 6,360	£. 4,045 14,015 5,126 23,186			

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PORTSMOUTH DOCKYARD AND FACTORY.—No. 4.—DETAILED SHIP ACCOUNT—continued.

No. 2.—WEAR AND TEAR AND MAINTENANCE OF THE FLEET, IN COMMISSION AND IN RESERVE, including REPAIRS, REPAIRS, ALTERATIONS, &c.—continued.

NAME OF SHIP.	Number of Guns.	Horse Power.	Tonnage.	PERIODS within which the Expense was incurred.		Detailed Head of Charge.	Value of Materials Issued.	Wages.	Payments to Con- tractors, &c. Made and Allowed at Admiralty.	Gross Total, excluding Incidental and Estab- lishment Charges.	Value of Materials Returned.	Net Total, ex- cluding Incidental and Estab- lishment Charges.	Incidental and Establishment Charges.	Total Expense, inclusive of Incidental and Establishment Charges.	REMARKS.	
				From	To											
IRON CLADS BUILT IN HER MAJESTY'S DOCKYARDS:																
HARCULES - - - IN RESERVE:	14	1,900 (8,329)	5,334 (8,977)	13 Feb. 1875	20 Mar. 1875	Rigging and Stores	£. 1,366	—	—	£. 1,366	—	£. 1,366	—	£.	Stores supplied whilst re- fitting for Flag Ship of the Mediterranean.	
						Hull - - -	900	1,405	—	2,455	102	2,323	Completed re-fitting for sea, making new con- densors, supplies and returns. This ship was commissioned in July 1874.			
						Masts and Yards - - -	150	71	—	221	36	185				
						Rigging and Stores - - -	1,254	56	—	1,310	42	1,268				
Total - - - £.							2,304	1,622	—	4,016	240	3,770				
MONARCH - - -	7	1,100 (7,832)	5,102 (8,332)	23 Mar. 1874	11 July 1874	Engines and Engineers' Fittings.	2,283	568	—	2,857	259	2,598	Taking account of fixtures and returns.			
						Boilers and Engineers' Fittings.	93	21	—	64	9	52				
						Engineers' Stores - - -	—	—	—	—	1	1				
						Total - - - £.	2,322	589	—	2,911	262	2,649				
ROYAL OAK - - -	24	800 (3,702)	4,056 (6,366)	13 July "	10 Oct. 1874	Engines and Engineers' Fittings.	872	29	—	401	—	401	Taking account of fixtures and returns.			
						Engines and Engineers' Fittings.	19	43	—	62	14	48				
						Hull - - -	—	4	—	4	—	4				
						Rigging and Stores - - -	—	—	—	—	369	369				
Total - - - £.							—	4	—	4	369	369				
ROYAL SOVEREIGN - - -	5	800 (2,636)	3,705 (5,686)	6 Apr. "	17 Oct. "	Hull - - -	—	5	—	5	—	5	See Abstract (p. 327).			
						Engines and Engineers' Fittings.	2,494	102	—	2,494	102	2,332				
						Masts and Yards - - -	150	71	—	221	36	185				
						Rigging and Stores - - -	2,020	56	—	2,076	351	2,325				
TOTAL - - - £.							3,760	1,631	—	5,391	549	4,842				
Engines and Engineers' Fittings.							2,080	640	—	3,320	273	3,047	Taking account of fixtures and returns.			
Boilers and Engineers' Fittings.							33	21	—	54	2	52				
Engineers' Stores - - -							—	—	—	—	1	1				
TOTAL - - - £.							2,713	661	—	3,374	276	3,098				

NOT IRON CLAD:

IN RESERVE:

ACTIVE - - - 10
(4,015)ALERT - - - 4
(312)
(Arctic Expedition.)ANT - - - 1
(213)ARGUS - - - 5
(761)ARIADNE - - - 26
(3,330)BADGER - - - 1
(139)2,922
(3,078)751
(1,012)245
(254)981
(—)3,214
(4,583)245
(254)

23 Mar. 1874

7 Dec. "

23 Mar. "

6 Apr. "

23 Mar. "

23 Mar. "

18 April 1874

20 Mar. 1875

20 Mar. "

25 July 1874

20 Mar. 1875

20 Mar. "

Hull - - -

Engines and Engineers' Fittings, Boilers and Engineers' Fittings.

Total - - - £.

Hull - - -
Masts and Yards - -
Rigging and Stores - -
Total - - - £.

Engines and Engineers' Fittings, Boilers and Engineers' Fittings, Engineers' Stores - -

Total - - - £.

Hull - - -

Boilers and Engineers' Fittings, Engineers' Stores - -

Total - - - £.

Hull - - -

Masts and Yards - -
Rigging and Stores - -
Total - - - £.

Hull - - -

Boilers and Engineers' Fittings, Engineers' Stores - -

Total - - - £.

1

1

1

2

10,885

410

384

11,479

861

779

1

1,641

46

1

1

19

28

28

31

1

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1

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2

22,946

1,083

1,451

25,480

1,779

2,749

1

4,529

81

2

7

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61

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61

42

1

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1

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2

3,131

69

293

3,493

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283

176

492

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19,815

1,014

1,158

21,987

1,642

2,722

1

4,365

81

2

7

9

19

28

283

476

424

1

1

1

2

19,815

1,014

1,158

21,987

1,642

2,722

1

4,365

81

2

7

9

19

28

283

476

424

Drawings.

Repairing and fitting for Arctic service, and fitting with engines *ex* "Cygnet," and new boilers; masting and rigging the ship.

Maintenance of the vessel at Haslar, and supplies.

General drawings.

Taking account of fixtures, fittings for mooring ship, and return of mast gear, &c.

Maintenance of the vessel at Haslar, supplies, &c.

PORTSMOUTH DOCKYARD AND FACTORY. - No. 4.—DETAILED SHIP ACCOUNT—continued.

No. 2.—WEAR AND TEAR AND MAINTENANCE OF THE FLEET, IN COMMISSION AND IN RESERVE, including REPAIRS, REITS, ALTERATIONS, &c.—continued.

NAME OF SHIP.	Number of Guns.	Horse Power.	Tonnage.	PERIODS within which the Expense was incurred.		Detailed Head of Charge.	Value of Materials Issued.	Wages.	Payments to Con- tractors, &c. Made and Allowed at Admiralty.	Gross Total, excluding Incidental and Estab- lishment Charges.	Value of Materials Returned.	Net Total, excluding Incidental and Estab- lishment Charges.	Incidental and Estab- lishment Charges.	Total Expense, inclusive of Incidental and Estab- lishment Charges.	REMARKS.	
				From	To											
NOT IRON CLAD—continued.																
IN RESERVE—continued.																
BLACK EAGLE	-	Late 260. (915)	540 (—)	28 Sept. 1874	19 Dec. 1874	{ Masts and Yards - Rigging and Stores - Total - - - £.	£. — — —	7 — —	— — —	7 — —	11 44 —	4 44 —	£. — —	£.	Examining mast gear, and returns.	
BLAZER	-	28 (266)	245 (254)	23 Mar. "	20 Mar. 1875	{ Hull - - - Boilers and Engineers' Fittings. Hull - - -	11 — 3	34 2 30	— — —	45 2 38	— — —	45 2 38	— — —	— — —	Maintenance of the vessel at Haslar, &c.	
BLOODHOUND	-	28 (214)	245 (254)	23 Mar. "	20 Mar. "	{ Boilers and Engineers' Fittings. Engineers' Stores - Total - - - £.	— — 3	2 — 2	— — —	2 3 5	— — —	2 3 5	— — —	— — —	ditto - ditto.	
BONETTA	-	28 (253)	245 (254)	23 Mar. "	20 Mar. "	{ Hull - - - Boilers and Engineers' Fittings.	7 —	32 1	— —	39 1	1 —	38 1	— —	— —	ditto - ditto.	
BOSCAWEN (Late "Trafalgar.")	20	Late 500 (2,275)	2,000 (4,579)	23 Mar. "	18 Mar. "	{ Hull - - - Masts and Yards - Rigging and Stores - Total - - - £.	1,608 24 8,849	122 15 156	— — —	1,780 39 9,505	432 4 84	1,298 85 8,491	— — —	— — —	{ Completed fitting for a training ship at Port- land, supplies and re- turns	
BRISTOL	28	600 (2,688)	3,027 (4,020)	8 June "	31 Oct. 1874	{ Hull - - - Rigging and Stores - Total - - - £.	— — —	4 —	— —	4 —	— —	4 9	— —	— —	Taking account of fixtures, and returns.	

Ship	No.	Date	Particulars	11	43	54	53	1	53	Description
BULLDOG	1	23 Mar. "	Hull - - - -	11	43	—	—	1	53	Maintenance of the vessel at Haslar.
			Boilers and Engineers' Fittings, Stores - -	—	1	1	1	—	1	
			Boilers and Engineers' Fittings, Stores - -	10	—	10	10	—	10	
			Total - - - £.	10	1	11	11	—	11	
BUSTARD	1	23 Mar. "	Hull - - - -	15	26	—	—	1	40	- ditto - ditto.
			Boilers and Engineers' Fittings, Stores - -	—	1	1	1	—	1	
			Boilers and Engineers' Fittings, Stores - -	—	5	5	5	—	5	Preparing drawings.
			Total - - - £.	—	1	1	1	—	1	- ditto.
COLUMBINE	3	30 Nov. "	Hull - - - -	—	—	—	—	—	—	
			Boilers and Engineers' Fittings, Stores - -	—	1	1	1	—	1	
			Boilers and Engineers' Fittings, Stores - -	—	72	121	121	—	121	
			Total - - - £.	49	72	121	121	—	121	
CRACKER	4	25 May "	Hull - - - -	1	2	—	—	—	3	Fitting bow rudder, maintenance of the vessel at Haslar, and supplies.
			Boilers and Engineers' Fittings, Stores - -	7	—	7	7	—	7	
			Boilers and Engineers' Fittings, Stores - -	—	—	—	—	—	—	
			Total - - - £.	8	2	10	10	—	10	
CUCKOO	1	23 Mar. "	Hull - - - -	13	49	—	—	—	62	
			Boilers and Engineers' Fittings, Stores - -	—	1	1	1	—	1	
			Boilers and Engineers' Fittings, Stores - -	13	50	63	63	—	63	
			Total - - - £.	13	50	63	63	—	63	
CYGNET	4	14 Dec. "	Hull - - - -	3	36	—	—	—	39	Works in connection with removing engines to fit them in "Alert."
			Boilers and Engineers' Fittings, Stores - -	—	2	2	2	—	2	
			Boilers and Engineers' Fittings, Stores - -	—	—	—	—	—	—	
			Total - - - £.	3	38	41	41	—	41	
DANE	6	6 July "	Hull - - - -	24	169	—	—	46	147	
			Boilers and Engineers' Fittings, Stores - -	1	—	1	1	3	2	
			Boilers and Engineers' Fittings, Stores - -	—	—	—	—	2,160	2,160	
			Total - - - £.	25	169	194	194	2,209	2,015	
DANE	6	2 Jan. "	Hull - - - -	1	19	—	—	—	20	Surveying ship, removing boilers, and returns.
			Boilers and Engineers' Fittings, Stores - -	4	102	106	106	885	729	
			Boilers and Engineers' Fittings, Stores - -	—	—	—	—	5	5	
			Total - - - £.	5	121	126	126	840	744	

PORTSMOUTH DOCKYARD AND FACTORY.—No. 4.—DETAILED SHIP ACCOUNT—continued.

No. 2.—WEAR AND TEAR AND MAINTENANCE OF THE FLEET, IN COMMISSION AND IN RESERVE, including REPAIRS, REFITS, ALTERATIONS, &c.—continued.

NAME OF SHIP.	PERIODS within which the Expense was incurred.		Tonnage.	Horse Power.	Number of Guns.	Detailed Head of Charge.	Value of Materials Issued.	Wages.	Payments to Contractors, &c. Made and Allowed at Admiralty.	Gross Total, excluding incidental and Establishment Charges.	Value of Materials Returned.	Net Total, excluding incidental and Establishment Charges.	Incidental and Establishment Charges.	Total Expense, inclusive of incidental and Establishment Charges.	REMARKS.
	From	To													
NOT IRON CLAD—continued.															
IN RESERVE—continued.															
DIADDEM - - -	22	800 (2,979)	2,483 (3,803)	4 May 1874	20 Feb. 1875	Hull - - -	£.	£.	£.	£.	£.	£.	£.	£.	Taking account of fixtures, &c.
DISCOVERY (Arctic Vessel), (Arctic Expedition.)	-	96	556	30 Nov. "	20 Mar. "	Hull - - -	7,223	6,572	—	13,795	812	12,983			Repairing, strengthening, and fitting for Arctic service, masting and rigging the ship, returns, &c.
	-					Masts and Yards - -	157	199	—	356	5	351			
	-					Rigging and Stores - -	427	388	—	815	439	376			
	-					Total - - - £.	7,807	7,159	—	14,966	1,256	13,710			
DONEGAL - - -	18	800 (3,103)	3,245 (5,481)	23 Mar. "	20 Mar. "	Engines and Engineers' Fittings.	1,243	865	—	2,108	184	1,924			Casual survey of ship, repairing chain cable, and returns.
	-					Boilers and Engineers' Fittings.	365	652	—	1,017	87	930			
	-					Engineers' Stores - -	—	—	—	—	16	16			
	-					Total - - - £.	1,608	1,517	—	3,125	287	2,838			
DRONEDARY - - -	-	180 (640)	1,122 (—)	6 July "	24 Oct. 1874	Hull - - -	1	27	—	28	—	28			Docking and surveying ship, &c., and returns.
	-					Masts and Yards - -	—	3	—	3	—	3			
	-					Rigging and Stores - -	10	36	—	46	144	98			
	-					Total - - - £.	11	66	—	77	144	67			
DRONEDARY - - -	-	180 (640)	1,122 (—)	6 July "	24 Oct. 1874	Engines and Engineers' Fittings.	—	—	—	—	1	1			Docking and surveying ship, &c., and returns.
	-					Boilers and Engineers' Fittings.	—	—	—	—	—	—			
	-					Engineers' Stores - -	—	—	—	—	—	—			
	-					Total - - - £.	28	223	—	251	1,010	759			

[illegible]

Ship	Date	Days	Men	Boats	Stores	Provisions	Medical	Other	Remarks
JERSEY	20 Sept. 1874	70	28	1	1	1	1	1	Returned. This vessel was sold in August 1873.
KITE	20 Mar. 1875	245 (254)	28 (187)	1	1	1	1	1	Maintenance of the vessel at Haslar, &c.
LUCIFER	14 Nov. 1874	387 (-)	180 (180)	-	-	-	-	-	Returns.
LYRA	10 Feb. 1875	488 (675)	60 (220)	7	1	1	1	1	Taking account of fixtures.
MARLBOROUGH	6 Feb. 1875	4,000 (6,860)	800 (3,023)	74	1	1	1	1	Caulking ship, &c. Supplies and returns.
MASTIFF	13 Mar. 1875	245 (254)	28 (287)	1	1	1	1	1	Maintenance of the vessel at Haslar, and supplies.
MEDUSA	26 Sept. 1874	889	312	2	1	1	1	1	Returns. This vessel was sold in 1872.
MELPOMENE	27 Feb. 1875	2,861 (3,829)	600 (2,171)	28	1	1	1	1	Casual survey of ship, &c.
NEPTUNE	20 Feb. 1875	2,880 (4,379)	500 (2,002)	78	1	1	1	1	Casual survey of ship.
NYMPHE	7 Nov. 1874	1,084 (1,274)	300 (2,172)	9	1	1	1	1	Moulds for boats' crutches.

Ship	Date	Hull	Masts and Yards	Rigging and Stores	Engines and Engineers' Fittings	Boilers and Engineers' Fittings	Total	Refitted for commission, as tender to first reserve ship at Hull. Supplies and returns.
PHEASANT	23 Mar. "	80	3	20	103	4	127	
	25 Apr. 1874	62	9	9	80	40	160	
		142	29	183	44	131	469	
	27 April "	142	29	183	44	131	469	
	16 May "	142	29	183	44	131	469	
PICKLE	23 Mar. "	11	51	62	1	1	126	
	20 Mar. 1875	11	51	62	1	1	126	
		11	51	62	1	1	126	
	23 Mar. "	11	51	62	1	1	126	
	13 Mar. "	11	51	62	1	1	126	
PIKE	23 Mar. "	16	51	67	1	1	136	
	13 Mar. "	16	51	67	1	1	136	
		16	51	67	1	1	136	
	23 Mar. "	16	51	67	1	1	136	
	13 Mar. "	16	51	67	1	1	136	
PROVER	10 Aug. "	105	360	465	105	360	1,395	
	20 Mar. "	105	360	465	105	360	1,395	
		105	360	465	105	360	1,395	
	20 Mar. "	105	360	465	105	360	1,395	

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PORTSMOUTH DOCKYARD AND FACTORY.—No. 4.—DETAILED SHIP ACCOUNT—continued.

No. 2.—WEAR AND TEAR AND MAINTENANCE OF THE FLEET, IN COMMISSION AND IN RESERVE, including REPAIRS, REFITS, ALTERATIONS, &c.—continued.															
NAME OF SHIP.	Number of Guns.	Horse Power.	Tonnage.	PERIODS within which the Expense was incurred.		Detailed Head of Charge.	Value of Materials Issued.	Wages.	Payments to Contractors, &c. Made and Allowed at Admiralty.	Gross Total, excluding Incidentals and Establishment Charges.	Value of Materials Returned.	Net Total, excluding Incidentals and Establishment Charges.	Incidental and Establishment Charges.	Total Expense, inclusive of Incidentals and Establishment Charges.	REMARKS.
				From	To										
NOT IRON CLAD.—continued.															
IN RESERVE.—continued.															
PROVER (Arctic)	3	160 (977)	663 (774)	7 Dec. 1874	6 Feb. 1875	Hull	78	142	—	220	11	209	—	—	Temporary repairs for undocking the vessel.
RACER	9	—	579 (798)	21 Sept. "	30 Jan. "	Rigging and Stores	—	—	—	—	219	219	—	—	Returns. This vessel is to be taken to pieces.
						Hull	10	14	—	24	1	23	—	—	
						Masts and Yards	7	—	—	7	17	10	—	—	
						Rigging and Stores	—	5	—	5	914	909	—	—	
						Total	17	19	—	36	932	896	—	—	
RINALDO	7	200 (752)	951 (1,365)	30 June "	20 Feb. "	Engines and Engineers' Fittings.	—	8	—	8	—	8	—	—	Transporting ship, &c.
						Boilers and Engineers' Fittings.	1	17	—	18	—	18	—	—	Surveying boilers and return of anchors, &c.
						Engineers' Stores	—	—	—	—	23	23	—	—	
						Total	1	25	—	26	23	3	—	—	
RODNEY	72	500 (2,246)	2,770 (4,375)	6 April "	8 Aug. 1874	Hull	6	12	—	18	—	18	—	—	Casual survey of ship.
						Hull	5	14	—	19	—	19	—	—	
						Rigging and Stores	1	—	—	1	—	1	—	—	
						Total	6	14	—	20	—	20	—	—	
SCOURGE	1	28 (233)	245 (234)	23 Mar. "	20 Mar. 1875	Boilers and Engineers' Fittings.	—	1	—	1	—	1	—	—	Maintenance of the vessel at Halsar, and small supplies.
						Engineers' Stores	1	—	—	1	—	1	—	—	
						Total	1	1	—	2	—	2	—	—	

SHAH	-	-	26	1,000 (7,500)	4,210 (5,701)	20 April "	27 Feb. "	Hull - - - - £.	1	-	-	1	-	4	Supplies and returns whilst completing for sea.
								Masts and Yards -	1	-	-	1	-	1	
								Rigging and Stores -	72	-	-	72	-	2	
								Total - - - - £.	74	-	74	70	-	4	
SIRIUS	-	-	12	350 (3,334)	1,268 (1,755)	6 July "	9 Jan. "	Engineers' Stores -	3	-	-	3	-	3	Transporting ship and return of anchors.
								Hull - - - - £.	-	1	-	-	1	1	
								Rigging and Stores -	-	-	-	-	296	296	
								Total - - - - £.	-	1	-	296	-	296	
SKYLARK	-	-	1	60 (263)	236 (284)	21 Sept. "	26 Sept. 1874	Rigging and Stores -	-	-	-	-	13	13	Casual returns.
								Hull - - - - £.	-	17	-	-	-	20	
								Rigging and Stores -	3	-	-	-	-	20	
								Hull - - - - £.	-	38	-	1	-	46	
SNAKE	-	-	1	28 (225)	245 (254)	23 Mar. "	20 Mar. 1875	Hull - - - - £.	-	-	-	-	-	20	Maintenance of the vessel at Haslar.
								Rigging and Stores -	3	-	-	-	-	20	
								Hull - - - - £.	-	38	-	1	-	46	
								Hull - - - - £.	-	38	-	1	-	46	
SNAP	-	-	1	28 (254)	245 (254)	23 Mar. "	13 Mar. "	Boilers and Engineers' Fittings -	-	1	-	-	-	1	Maintenance of the vessel at Haslar, supplies, &c.
								Engineers' Stores -	10	-	-	-	-	10	
								Boilers and Engineers' Fittings -	-	1	-	-	-	1	
								Engineers' Stores -	10	-	-	-	-	10	
SPEEDY	-	-	2	60 (318)	273 (330)	20 April "	24 Oct. 1874	Rigging and Stores -	7	-	-	7	-	7	Casual supplies.
								Rigging and Stores -	-	-	-	-	-	7	
								Rigging and Stores -	-	-	-	-	-	7	
								Rigging and Stores -	-	-	-	-	-	7	
SPRIGHTLY	-	-	-	100 (214)	234 (-)	27 April "	2 May "	Hull - - - - £.	-	-	-	-	-	11	Casual returns.
								Rigging and Stores -	-	-	-	-	-	11	
								Rigging and Stores -	-	-	-	-	-	11	
								Rigging and Stores -	-	-	-	-	-	11	
STAUNCH	-	-	1	25 (134)	200 (180)	31 Mar. "	27 Feb. 1875	Hull - - - - £.	-	-	-	-	-	11	Repairing; new boiler supplied.
								Rigging and Stores -	-	-	-	-	-	11	
								Rigging and Stores -	-	-	-	-	-	11	
								Rigging and Stores -	-	-	-	-	-	11	
STEAM ("UTTER, No. 22") (Attached to "Fly")	-	-	-	24	4	27 July "	8 Aug. 1874	Boilers and Engineers' Fittings -	650	43	-	693	2	691	Casual repairs.
								Hull - - - - £.	-	-	-	-	-	7	
								Hull - - - - £.	-	-	-	-	-	7	
								Hull - - - - £.	-	-	-	-	-	7	

PORTSMOUTH DOCKYARD AND FACTORY.—No. 4.—DETAILED SHIP ACCOUNT—continued.

No. 2.—WEAR AND TEAR AND MAINTENANCE OF THE FLEET, IN COMMISSION AND IN RESERVE, including REPAIRS, RETIF, ALTERATIONS, &c.—continued.

NAME OF SHIP.	Number of Guns.	Horse Power.	Tonnage.	PERIODS within which the Expense was incurred.		Detailed Head of Charge.	Value of Materials Issued.	Wages.	Payments to Con- tractors &c. Made and Allowed at Admiralty.	Gross Total, excluding Incidental and Estab- lishment Charges.	Value of Materials Returned.	Net Total, excluding Incidental and Estab- lishment Charges.	Incidental and Estab- lishment Charges.	Total Expense, inclusive of Incidental and Estab- lishment Charges.	REMARKS.	
				From	To											
NOT IRON CLAD—continued.																
IN RESERVE—continued.																
STEAM CUTTER, No. 24 (In Store.)	—	4	6	2 Nov. 1874	7 Nov. 1874	Boilers and Engineers' Fittings.	£. —	1	—	£. 1	£. —	£. 1	—	£. —	Fitting steel shields to steam pipes.	
STEAM CUTTER, No. 2b (Harbour Service.)	—	4	4	13 April "	27 June "	Hull - - - -	—	3	—	3	—	3	—	—	Small repairs.	
						Boilers and Engineers' Fittings.	2	1	—	3	—	3	—	—		
STEAM CUTTER, No. 30 (Attached to "Sap- phire.")	—	3	7	23 Mar. "	4 July "	Hull - - - -	3	1	—	4	2	2	—	—	Small repairs, &c.	
						Rigging and Stores	—	1	—	1	—	1	—	—		
						Total - - - £.	3	2	—	5	2	3	—	—		
STEAM CUTTER, No. 31 (Attached to "Dis- mond.")	—	3	7	8 June "	8 Aug. "	Hull - - - -	18	31	—	49	2	47	—	—	Fittings for gun, steel shields to steam pipes, and returns.	
						Boilers and Engineers' Fittings.	2	7	—	9	—	9	—	—		
STEAM CUTTER, No. 32 (Attached to "Ad- venture.")	—	3	6	22 June "	4 July "	Hull - - - -	2	1	—	3	—	3	—	—	Reconciling and fitting steel shields to steam pipes.	
						Boilers and Engineers' Fittings.	2	7	—	9	—	9	—	—		
STEAM CUTTER, No. 34 (Attached to "Druid.")	—	2½	4½	27 April "	5 Sept. "	Hull - - - -	5	10	—	15	1	14	—	—	Refitting. Fitting canopy, and steel shields to steam pipes.	
						Boilers and Engineers' Fittings.	1	7	—	8	—	8	—	—		
STEAM CUTTER, No. 35 (Attached to "Sirius.")	—	2½	4½	18 May "	5 Sept. "	Hull - - - -	2	4	—	6	—	6	—	—	Fitting canopy, and steel shields to steam pipes.	
						Boilers and Engineers' Fittings.	2	5	—	7	1	6	—	—		

STEAM CUTTER, No. 36 (Attached to "Vigilant.")	2½	4½	18 May "	19 Sept. "	Hull - - - - -	8	14	—	22	—	22	—	Refitting, fitting canopy, and steel shields to steam pipes.
					Rigging and Stores	—	1	—	1	—	1	—	
					Total - - - £.	8	15	—	23	—	23	—	
STEAM CUTTER, No. 37 (Attached to "Flying Fish.")	2½	4½	22 June "	15 Aug. "	Boilers and Engineers' Fittings.	1	6	—	7	—	7	—	Fitting canopy, and steel shields to steam pipes.
					Hull - - - - -	3	8	—	11	—	11	—	
					Boilers and Engineers' Fittings.	1	6	—	7	—	7	—	
STEAM CUTTER, No. 38 (Attached to "Dryad.")	2½	4½	22 June "	8 Aug. "	Hull - - - - -	1	—	—	1	1	—	—	Fitting steel shields to steam pipes, and returns, &c.
					Boilers and Engineers' Fittings.	2	7	—	9	1	8	—	
					Total - - - £.	4	4	—	8	—	8	—	
STEAM CUTTER, No. 40 (Attached to "Sappho.")	2½	4½	7 Sept. "	10 Oct. "	Hull - - - - -	2	4	—	6	—	6	—	Fitting canopy, steel shields to steam pipes, and supplies.
					Rigging and Stores	2	—	—	2	—	2	—	
					Total - - - £.	4	4	—	8	—	8	—	
STEAM CUTTER, No. 41 (Attached to "Pegonia.")	2½	4½	21 Sept. "	17 Oct. "	Boilers and Engineers' Fittings.	1	7	—	8	—	8	—	Fitting canopy, &c.
					Hull - - - - -	1	4	—	5	—	5	—	
					Total - - - £.	2	1	—	3	—	3	—	
STEAM CUTTER, No. 42 (Attached to "Darling.")	2½	4	14 Sept. "	21 Nov. "	Hull - - - - -	2	6	—	8	—	8	—	Fitting canopy, steel shields to steam pipes, and supplies.
					Rigging and Stores	2	—	—	2	—	2	—	
					Total - - - £.	4	6	—	10	—	10	—	
STEAM CUTTER, No. 43 (Attached to "Nymph.")	2½	4½	5 Oct. "	21 Nov. "	Boilers and Engineers' Fittings.	1	11	—	12	—	12	—	Fitting canopy, and steel shields to steam pipes.
					Hull - - - - -	1	2	—	3	—	3	—	
					Total - - - £.	2	6	—	8	—	8	—	

PORTSMOUTH DOCKYARD AND FACTORY.—No. 4.—DETAILED SHIP ACCOUNT—continued.

No. 2.—WEAR AND TEAR AND MAINTENANCE OF THE FLEET, IN COMMISSION AND IN RESERVE, including REPAIRS, REFITS, ALTERATIONS, &c.—continued.

NAME OF SHIP.	Number of Guns.	Horse Power.	Tonnage.	PERIODS within which the Expense was incurred.		Detailed Head of Charge.	Value of Materials Issued.	Wages.	Payments to Con- tractors, &c. Made and Allowed at Admiralty.	Gross Total, excluding Incidental and Establish- ment Charges.	Value of Materials Returned.	Net Total, excluding Incidental and Establish- ment Charges.	Incidental and Estab- lishment Charges.	Total Expense, inclusive of Incidental and Estab- lishment Charges.	REMARKS.	
				From	To											
NOT IRON CLAD—continued.																
IN RESERVE—continued.																
STEAM CUTTER, No. 44 (Attached to "Vestal").	—	2½	4	2 Nov. 1874	16 Jan. 1875	Hull — — — Boilers and Engineers' Fittings.	£. 1 2	£. 2 7	— —	£. 3 9	— —	£. 3 9	— —	£. — —	Fitting canopy, and steel shields to steam pipes.	
STEAM CUTTER, No. 45 (Attached to "Nassau").	—	2½	4½	2 Nov. "	16 Jan. "	Hull — — — Boilers and Engineers' Fittings.	£. 1 1	£. 2 5	— —	£. 3 6	— —	£. 3 6	— —	£. — —	— ditto — ditto.	
STEAM CUTTER, No. 46 (Attached to "Wolverine").	—	2½	4½	9 Nov. "	6 Feb. "	Hull — — — Boilers and Engineers' Fittings.	£. 1 1	£. 6	— —	£. 7	— —	£. 7	— —	£. — —	Fitting steel shields to steam pipes, &c.	
STEAM CUTTER, No. 47. (In Store.)	—	2½	4½	8 Feb. 1875	27 Feb. "	Boilers and Engineers' Fittings.	£. 1	£. 8	— —	£. 9	— —	£. 9	— —	£. — —	— ditto — ditto.	
STEAM CUTTER, No. 48. (In Store.)	—	2½	4½	22 Feb. "	6 Mar. "	Boilers and Engineers' Fittings.	£. 1	£. 6	— —	£. 7	— —	£. 7	— —	£. — —	— ditto — ditto.	
STEAM CUTTER, No. 52 (Attached to "Rover").	—	3	6	5 Oct. 1874	17 Oct. 1874	Boilers and Engineers' Fittings.	£. 2	£. 7	— —	£. 9	— —	£. 9	— —	£. — —	— ditto — ditto.	
STEAM CUTTER, No. 56 (Attached to "Enchantress").	—	1½	4½	18 Jan. 1875	20 Mar. 1875	Hull — — —	£. 19	£. 42	— —	£. 61	— —	£. 61	— —	£. — —	Completing fittings, &c.	
STEAM CUTTER, No. 57 (Attached to "Magicienne").	—	3	7	8 Feb. "	20 Mar. "	Hull — — — Boilers and Engineers' Fittings.	£. 9 1	£. 7 7	— —	£. 16 8	2 —	£. 14 8	— —	£. — —	Fittings for gun, and steel shields to steam pipes, &c.	
STEAM LAUNCH, No. 26 (Attached to "Zealous").	—	6	23	4 Jan. "	9 Jan. "	Engines and Engineers' Fittings. Boilers and Engineers' Fittings.	£. 2 10	£. — —	— —	£. 2 10	— —	£. 2 10	— —	£. — —	Casual supplies.	
Total — — —							£. 12	£. —	£. —	£. 12	£. —	£. 12	£. —	£. —		

[illegible]

STEAM PINNACE, No. 53 (Attached to "Devastation").	4½	8	31 Mar. "	4 April "	Hull - - -	Boilers and Engineers' Fittings.	2	5	7	3	Casual returns.
STEAM PINNACE, No. 54. (In Store.)	4½	8	18 May "	27 June "	Boilers and Engineers' Fittings.	Boilers and Engineers' Fittings.	2	5	7	7	Fitting steel shields to steam pipes.
STEAM PINNACE, No. 55 (Attached to "Assistance").	4½	7½	13 July "	22 Aug. "	{ Engines and Engineers' Fittings. Boilers and Engineers' Fittings.	{ Engines and Engineers' Fittings. Boilers and Engineers' Fittings.	—	1 5	1 7	1 7	- ditto - ditto.
STEAM PINNACE, No. 57 (Attached to "Vernon").	6	13½	23 Mar. "	20 Sept. "	{ Hull - - - Engines and Engineers' Fittings.	{ Hull - - - Engines and Engineers' Fittings.	14 —	24 2	38 2	38 2	Fitting Torpedo gear, removing tanks, &c.
STEAM PINNACE, No. 58. (In Store.)	7½	13	20 July "	20 Mar. "	Hull - - - Engines and Engineers' Fittings.	Hull - - - Engines and Engineers' Fittings.	—	1	1	1	Refitting Indicator gear.
STEAM PINNACE, No. 59. (In Store.)	4½	8	4 May "	19 Sept. 1874	{ Engines and Engineers' Fittings. Boilers and Engineers' Fittings.	{ Engines and Engineers' Fittings. Boilers and Engineers' Fittings.	8 2	4 7	12 9	7 9	Fitting Torpedo gear and steel shields to steam pipes, &c.
STEAM PINNACE, No. 60. (In Store.)	4½	7½	4 May "	17 Oct. "	{ Engines and Engineers' Fittings. Boilers and Engineers' Fittings.	{ Engines and Engineers' Fittings. Boilers and Engineers' Fittings.	1 2	5 6	6 8	6 8	Fitting Torpedo gear and steel shields to steam pipes.
STEAM PINNACE, No. 61. (In Store.)	4½	7½	10 Aug. "	17 Oct. "	{ Engines and Engineers' Fittings. Boilers and Engineers' Fittings.	{ Engines and Engineers' Fittings. Boilers and Engineers' Fittings.	2 1	4 8	6 9	6 9	Fittings completed and steel shields to steam pipes, &c.
STEAM PINNACE, No. 62. (In Store.)	4½	7½	30 Nov. "	12 Dec. "	Total - - - £.	Total - - - £.	3	12	15	15	Fitting steel shields to steam pipes.
STEAM PINNACE, No. 63. (In Store.)	4½	7½	19 Oct. "	30 Mar. 1875	Boilers and Engineers' Fittings.	Boilers and Engineers' Fittings.	1	8	9	9	- ditto - ditto.

PORTSMOUTH DOCKYARD AND FACTORY.—No. 4. DETAILED SHIP ACCOUNT—continued.

No. 2. WEAR AND TEAR AND MAINTENANCE OF THE FLEET, IN COMMISSION AND IN RESERVE, including REPAIRS, RETRITS, ALTERATIONS, &c.—continued.

No. 2. WEAR AND TEAR AND MAINTENANCE OF THE FLEET, IN COMMISSION AND IN RESERVE.															
NAME OF SHIP.	Number of Guns.	Horse Power.	Tonnage.	PERIODS within which the Expense was incurred.		Detailed Head of Charge.	Value of Materials Issued.	Wages.	Payments to Contractors, &c. Made and Allowed and Admiralty.	Gross Total, excluding Incidentals and Establishment Charges.	Value of Materials Returned.	Net Total, excluding Incidentals and Establishment Charges.	Incidental and Establishment Charges.	Total Expense, inclusive of Incidentals and Establishment Charges.	REMARKS.
				From	To										
NOT IRON CLAD—continued.															
IN RESERVE—continued.															
STEAM PINNACE, No. 64. (In Store.)	-	4½	7½	14 Dec. 1874	2 Jan. 1875	Boilers and Engineers' Fittings.	£. 1	£. 7	£. —	£. 8	£. —	£. 8	£. —	£. —	Fitting steel shields to steam pipes.
STEAM PINNACE, No. 65. (Attached to "Triumph").	-	6	13	12 Oct. "	14 Nov. 1874	Hull - - - -	1	7	—	8	—	8	-	-	Completing fittings and steel shields to steam pipes.
						Boilers and Engineers' Fittings.	2	6	—	8	—	8	-	-	
STEAM PINNACE, No. 66. (Attached to "Hercules").	-	6	13	7 Dec. "	20 Mar. 1875	Hull - - - -	18	40	—	58	1	57	-	-	Fitting Torpedo gear and steel shields to steam pipes, &c.
						Engines and Engineers' Fittings, Boilers and Engineers' Fittings.	1	6	—	7	—	7	-	-	
STEAM PINNACE, No. 67. (Attached to "Shah").	-	6	-	8 Feb. 1875	20 Mar. "	Total - - - £.	2	6	—	8	—	8	-	-	Fitting Torpedo gear.
						Hull - - - -	4	7	—	11	—	11	-	-	
STORK	2	60 (180)	235 (28½)	20 April 1874	10 Jan. "	Hull - - - -	26	83	—	109	11	98	-	-	Surveying vessel, and repairs.
						Engines and Engineers' Fittings, Boilers and Engineers' Fittings.	—	1	—	1	—	1	-	-	
THRASHER	2	60 (17½)	234 (28½)	10 Oct. "	10 Dec. 1874	Total - - - £.	—	5	—	5	17	12	-	-	Casual repairs, supplies, and returns.
						Hull - - - -	18	43	—	61	1	60	-	-	
TYRIAN	1	60 (17½)	272 (330)	21 Sept. "	20 Sept. "	Rigging and Stores	47	6	—	53	—	53	-	-	Casual returns.
						Total - - - £.	65	49	—	114	1	113	-	-	
UNDAUNTED	31	600 (17½)	3,030 (360)	15 Feb. 1875	20 Feb. 1875	Hull - - - -	1	—	—	—	10	10	-	-	Small supplies.
						Total - - - £.	—	—	—	—	—	—	-	-	

URGENT -	3	Late 400 (1,676)	1,981 (2,801)	11 May 1874	20 Mar. "	Hull - Masts and Yards - Rigging and Stores - Total - - - £.	4,104 474 298 4,936	5,861 186 82 6,129	10,025 660 380 11,065	1,200 5 498 1,712	8,816 655 178 9,353	Repairing and fitting for a Depot Ship at Jamaica, The engines and boilers have been removed.
VESTAL -	9	300 (2,454)	1,081 (1,574)	25 May "	20 Mar. "	Engines and Engineers' Fittings. Boilers and Engineers' Fittings. Total - - - £.	3 2 5	163 76 239	166 78 244	2,646 5,402 8,048	2,480 5,324 7,804	Repairing and refitting for sea service; including new boilers.
						Hull - Masts and Yards - Rigging and Stores - Total - - - £.	5,015 342 1,055 6,412	5,192 163 140 5,495	10,207 505 1,195 11,907	1,546 18 398 1,957	8,661 492 797 9,950	
						Engines and Engineers' Fittings. Boilers and Engineers' Fittings. Total - - - £.	1,109 4,348 5,457	804 502 1,306	1,913 4,850 6,763	414 839 1,253	1,499 4,011 5,510	
						Engines and Engineers' Fittings. Total - - - £.	- - 4	- 8 -	2,521 8 4	- - -	2,521 8 4	
VICTORIA -	102	1,000 (4,494)	4,127 (6,959)	13 Apr. 1874	6 Feb. 1875	Hull - Masts and Yards - Rigging and Stores - Total - - - £.	413 4 77 494	883 12 83 928	1,236 16 110 1,422	38 - 164 202	1,258 16 54 1,220	New surface condensers, &c.
						Engines and Engineers' Fittings. Boilers and Engineers' Fittings. Total - - - £.	71 54 1 126	182 153 - 335	253 207 1 461	17 312 - 329	236 405 - 132	
						Hull - Rigging and Stores - Total - - - £.	3 273 276	14 2 16	17 275 292	1 - 1	16 275 291	
						Engines and Engineers' Fittings. Boilers and Engineers' Fittings. Total - - - £.	- - - -	7 2 9	7 2 9	1 - 1	6 2 8	
VIGILANT -	2	250 (1,815)	835 (-)	7 Sept. "	31 Oct. "	Engines and Engineers' Fittings. Boilers and Engineers' Fittings. Total - - - £.	- - - -	- - - -	- - - -	- - - -	- - - -	Refitted for service in China. Supplies and returns.
						Engines and Engineers' Fittings. Boilers and Engineers' Fittings. Total - - - £.	- - - -	- - - -	- - - -	- - - -	- - - -	

PORTSMOUTH DOCKYARD AND FACTORY.—No. 4.—DETAILED SHIP ACCOUNT—continued.

No. 2.—WEAR AND TEAR AND MAINTENANCE OF THE FLEET, IN COMMISSION AND IN RESERVE, including REPAIRS, REFITS, ALTERATIONS, &c.—continued.

NAME OF SHIP.	Number of Guns.	Horse Power.	Tonnage.	PERIODS within which the Expense was incurred.		Detailed Head of Charge.	Value of Materials Issued.	Wages.	Payments to Con- tractors, &c. Made and Allowed at Admiralty.	Gross Total, excluding Incidental and Estab- lishment Charges.	Value of Materials Returned.	Net Total, excluding Incidental and Estab- lishment Charges.	Incidental and Estab- lishment Charges.	Total Expense, inclusive of Incidental and Estab- lishment Charges.	REMARKS.
				From	To										
NOT IRON CLAD—continued. IN RESERVE—continued.				23 Mar. 1874	18 July 1874	Hull - - - - Masts and Yards - - Rigging and Stores - Total - - - £.	£. 1,481 74 4,292 5,847	£. 2,826 91 159 3,076	£. — — — —	£. 4,307 165 4,451 8,923	£. 180 97 66 343	£. 4,127 68 4,385 8,580	£.	£.	Completed refitting and alterations for new ar- mament, and rigging the ship. Supplies and returns.
						Engines and Engineers' Fittings.	70	126	—	196	6	190			
						Boilers and Engineers' Fittings.	54	75	—	129	—	129			
						Engineers' Stores -	175	—	—	175	—	175			
						Total - - - £.	299	201	—	500	6	494			
						Hull - - - -	1	—	—	1	1	—			
						Rigging and Stores -	2	1	—	3	5	2			
						Total - - - £.	3	1	—	4	6	2			
						Engines and Engineers' Fittings.	11	—	—	11	—	11			
						Rigging and Stores -	48	—	—	48	—	48			
						Hull - - - -	25	52	—	77	—	77			
						Boilers and Engineers' Fittings.	—	1	—	1	—	1			
						Engineers' Stores -	6	—	—	6	—	6			
						Total - - - £.	6	1	—	7	—	7			
						Hull - - - -	34,560	35,395	—	69,955	8,305	61,650			
						Masts and Yards -	1,799	1,151	—	2,950	783	2,167			
						Rigging and Stores -	12,126	1,462	—	13,588	8,212	5,376			
						TOTAL - - - £.	48,485	38,008	—	86,493	17,300	69,193			
						Engines and Engineers' Fittings.	3,509	3,382	2,521	9,412	4,593	4,819			
						Boilers and Engineers' Fittings.	7,730	3,205	—	10,935	8,769	2,166			
						Engineers' Stores -	302	1	—	303	142	161			
						TOTAL - - - £.	11,541	6,588	2,521	20,650	13,504	7,146			
						TOTAL - - -								See Abstract (p. 327).	

No. 3.—HULKS REPAIRING, &c.

NAME OF SHIP.	Rate or Class of Ship.	Tonnage.	PERIODS within which the Expense was incurred.		Detailed Head of Charge.	Value of Materials Issued.	Wages.	Payments to Contractors, &c. Made and Allowed at Admiralty.	Gross Total, excluding Incidentals and Establishment Charges.	Value of Materials Returned.	Net Total, excluding Incidentals and Establishment Charges.	Incidental and Establishment Charges.	Total Expense, inclusive of Incidentals and Establishment Charges.	REMARKS.
			From	To										
AOLÉON - - -	6th Rate -	620 (538)	11 May 1874	16 May 1874	Rigging and Stores -	£. 1	£. —	£. —	£. 1	£. —	£. 1	£. —	£. —	Small supplies.
BELLEROPHON - -	3rd Rate -	2,056 (3,807)	20 April "	13 Mar. 1875	{ Hull - - - Rigging and Stores -	6 12	14 —	— —	20 12	— 176	20 464	—	—	Casual repairs, supplies, and returns.
					Total - - - £.	18	14	—	32	176	444	—	—	
BELVIDERA - - -	5th Rate -	946 (1,408)	20 April "	6 Feb. "	{ Hull - - - Rigging and Stores -	54 19	52 —	— —	106 19	— 1	106 18	—	—	- - ditto - - ditto.
					Total - - - £.	73	52	—	125	1	124	—	—	{ Casual repairs, fitting ventilation, gunnery fittings, returns, &c. Employed as an experimental gunnery ship.
CALCUTTA - - -	2nd Rate -	2,229 (3,290)	20 April "	20 Mar. "	Hull - - -	444	338	—	782	47	735	—	—	Casual repairs, supplies, &c.
CALYPSO - - - (Late "Blonde.")	5th Rate -	1,103 (1,653)	20 July "	6 Feb. "	{ Hull - - - Rigging and Stores -	54 6	52 —	— —	106 6	— 1	106 5	—	—	Taking account of fixtures.
					Total - - - £.	60	52	—	112	1	111	—	—	Casual returns.
GRAMFUS - - -	4th Rate -	1,706	22 June "	4 July 1874	Hull - - -	—	3	—	3	—	3	—	—	
JERSEY - - -	Cutler -	70	31 Mar. "	4 April "	Rigging and Stores -	—	—	—	—	3	3	—	—	
					{ Hull - - - Rigging and Stores -	41 56	103 4	— —	144 60	3 3	141 57	—	—	Casual repairs, supplies, and returns. Employed as Police Ship.
					Total - - - £.	97	107	—	204	6	198	—	—	
JUNO - - -	6th Rate -	923 (958)	6 April "	13 Mar. 1875	Engineers' Stores -	25	—	—	25	—	25	—	—	

PORTSMOUTH DOCKYARD AND FACTORY.—No. 4.—DETAILED SHIP ACCOUNT—continued.

No 3.—HULKS REPAIRING, &c.—continued.

NAME OF SHIP.	Rate or Class of Ship.	Tonnage.	PERIODS within which the Expense was incurred.		Detailed Head of Charge.	Value of Materials Issued.	Wages.	Payments to Contractors, &c. Made and Allowed at Admiralty.	Gross Total, excluding Incidental and Establishment Charges.	Value of Materials Returned.	Net Total, excluding Incidental and Establishment Charges.	Incidental and Establishment Charges.	Total Expense, inclusive of Incidental and Establishment Charges.	REMARKS.
			From	To										
LAUREL - - -	5th Rate -	1,088 (1,597)	27 April 1874	23 Jan. 1875	{ Hull - - - Rigging and Stores	£.	£.	£.	£.	£.	£.	£.	£.	Transporting Ship and return of iron ballast. Floating Lavatory.
					Total - - - £.	—	10	—	10	182	172	—	—	
					{ Hull - - - Rigging and Stores	46 12	16 6	— —	62 18	— 410	62 392	—	—	
					Total - - - £.	58	22	—	80	410	330	—	—	{ Casual repairs, supplies, and return of iron ballast. Employed as a Roman Catholic chapel.
MELAMPUS - - -	5th Rate -	1,089 (1,447)	23 Mar. "	20 Feb. "	{ Engineers' Stores -	1	—	—	1	—	1	—	—	
					{ Hull - - - Rigging and Stores	67 169	11 —	— —	78 169	4 85	74 84	—	—	
					Total - - - £.	236	11	—	247	89	158	—	—	{ Casual repairs, supplies, returns, &c. Workshop for artificers of Steam Reserve.
MINERVA - - -	5th Rate -	1,082 (1,447)	23 Mar. "	27 Feb. "	{ Engineers' Stores -	224	—	—	224	8	221	—	—	
					{ Hull - - - Rigging and Stores	186 —	286 1	— —	472 1	36 —	436 1	—	—	{ Casual repairs and returns. Employed as a Target Ship for trial of armour plates.
NETTLE - - -	2nd Rate -	2,279	20 April "	20 Mar. "	Total - - - £.	186	287	—	473	36	437	—	—	
					{ Hull - - - Rigging and Stores	—	—	—	—	—	—	—	—	
OBERON - - -	Late paddle steamer.	649	11 Jan. 1875	16 Jan. "	Rigging and Stores	—	—	—	—	119	419	—	—	{ Return of anchors and chain cable. Used by War Department for Torpedo experiments.

RACER.	Sloop.	579 (798)	25 May 1874	28 Nov. 1874	Rigging and Stores	—	—	—	—	64	64	Returns. Ordered to be taken to pieces.
ROYAL GEORGE	Yacht	330	13 April	6 Feb. 1875	Hull	206	171	—	—	39	338	Casual repairs, supplies, and returns.
					Masts and Yards	2	—	—	—	—	2	
					Rigging and Stores	36	89	—	—	55	70	
					Total	244	260	—	—	94	410	
VERNON	4th Rate	2,082 (2,388)	23 Mar.	20 Mar.	Hull	152	101	—	—	49	204	Casual repairs, supplies, and returns. Torpedo School-ship.
					Rigging and Stores	182	92	—	—	24	180	
					Total	334	123	—	—	73	384	
					Engineers' Stores	42	—	—	—	5	37	
VOLCANO	Floating factory.	720	23 Mar.	20 Mar.	Hull	83	8	—	—	16	75	Casual repairs, supplies, and returns. Employed as a floating factory.
					Rigging and Stores	60	—	—	—	3	57	
					Total	143	8	—	—	19	132	
					Engines and Engineers' Fittings.	—	—	—	—	85	85	
					Engineers' Stores	445	1	—	—	10	436	
					Total	445	1	—	—	95	351	
WATCH VESSEL, No. 38.	—	108	8 Mar. 1875	20 Mar.	Hull	1	3	—	—	—	4	Casual Survey of Vessel, &c.
					Hull	—	1	—	—	—	1	
WATCH VESSEL, No. 40, ("Queen Charlotte," East Cowes.)	—	130	22 Feb.	27 Feb.	Hull	1,340	1,169	—	—	201	2,308	See Abstract (p. 327).
					Masts and Yards	2	—	—	—	—	2	
					Rigging and Stores	553	122	—	—	1,119	444	
					TOTAL	1,895	1,291	—	—	1,320	1,866	
					Engines and Engineers' Fittings.	—	—	—	—	85	85	
					Engineers' Stores	737	1	—	—	18	720	
					TOTAL	737	1	—	—	103	635	

PORTSMOUTH DOCKYARD AND FACTORY.—No. 4.—DETAILED SHIP ACCOUNT—continued.

No. 4.—STEAM TUGS, YARD CRAFT, COAL DEPÔTS, &c., BUILDING, FITTING, REFITTING, &c.

Yard to which the Craft is Attached.	Name and Description of Yard Craft.	Horse Power.	Tonnage.	PERIODS within which the Expense was incurred.		Detailed Head of Charge.	Value of Materials Issued.	Wages.	Payments to Contractors, &c. made and Allowed at Admiralty.	Gross Total, exclusive of incidental and Establishment Charges.	Value of Materials Returned.	Net Total, exclusive of incidental and Establishment Charges.	Incidental and Establishment Charges.	Total Expense, inclusive of incidental and Establishment Charges.	REMARKS.
				From	To										
CHATHAM YARD.	Duck (Late Chatham Yard Craft, No. 4.) Lighter for conveying stores.	—	111	4 May 1874	7 Nov. 1874	Hull - - -	£. 1	£. 2	£. —	£. 3	£. —	£. 3	£. —	£. —	Casual repairs, supplies, and returns.
						Masts and Yards - -	5	5	—	10	—	10	—	10	
						Rigging and Stores -	14	—	—	14	3	11	—	11	
				1 Feb. 1875	6 Feb. 1875	Total - - - £.	20	7	—	27	3	24	—	24	
						Engineers' Stores -	6	—	—	6	—	6	—	6	
						Hull - - -	—	1	—	1	—	1	—	1	
						Rigging and Stores -	22	—	—	22	6	16	—	16	
						Total - - - £.	22	1	—	23	6	17	—	17	
				23 Mar. 1874	27 Feb. "	Engineers' Stores -	1	—	—	1	—	1	—	1	
						Hull - - -	3	8	—	11	—	11	—	11	
						Masts and Yards -	1	1	—	2	—	2	—	2	
PORTSMOUTH YARD.	ROCHESTER (Late Chatham Yard Craft, No. 2.) Lighter for conveying stores.	—	154	11 May "	7 Nov. 1874	Rigging and Stores -	60	5	—	65	41	24	—	24	ditto - ditto.
						Total - - - £.	64	14	—	78	41	37	—	37	
						Engineers' Stores -	6	—	—	6	—	6	—	6	
				23 Mar. "	2 Jan. 1875	Hull - - -	3	8	—	11	1	10	—	10	
						Rigging and Stores -	17	—	—	17	8	9	—	9	
						Total - - - £.	20	8	—	28	9	19	—	19	
						Hull - - -	546	890	—	1,436	60	1,376	—	1,376	
						Rigging and Stores -	50	19	—	69	12	57	—	57	
				23 Mar. "	2 Jan. 1875	Total - - - £.	596	909	—	1,505	72	1,433	—	1,433	
						Engines and Engineers' Fittings.	394	703	—	1,097	96	1,001	—	1,001	
						Boilers and Engineers' Fittings.	3,102	588	—	3,690	252	3,438	—	3,438	
						Engineers' Stores -	58	—	—	58	1	57	—	57	
	CAMEL (Iron Steam)	150	819			Total - - - £.	3,554	1,291	—	4,845	349	4,496	—	4,496	General repairs, new boilers, supplies, returns, &c.

4 Jan. 1875	20 Mar. "	Hull - - - Rigging and Stores - - Total - - - £.	1	13	—	14	—	14	14	14
			34	1	—	35	1	35	34	34
			35	14	—	49	1	49	48	48
		Engines and Engineers' Fittings. Boilers and Engineers' Fittings. Engineers' Stores - - Total - - - £.	3	27	—	30	—	30	30	30
			—	2	—	2	12	12	40	40
			19	—	—	19	1	19	18	18
			22	29	—	51	13	51	38	38
		Hull - - - Rigging and Stores - - Total - - - £.	174	270	—	444	3	444	441	441
			14	—	—	14	6	14	9	9
			183	270	—	458	8	458	450	450
		Engines and Engineers' Fittings. Boilers and Engineers' Fittings. Total - - - £.	—	1	—	1	—	1	1	1
			38	67	—	105	3	105	102	102
			38	68	—	106	3	106	103	103
		Hull - - - Rigging and Stores - - Total - - - £.	35	51	—	86	3	86	83	83
			26	—	—	26	1	26	25	25
			61	51	—	112	4	112	108	108
		Engines and Engineers' Fittings. Boilers and Engineers' Fittings. Total - - - £.	—	1	—	1	—	1	1	1
			3	14	—	17	—	17	17	17
			3	15	—	18	—	18	18	18
		Masts and Yards - -	—	—	—	—	10	—	10	10
			10	11	—	21	1	21	20	20
			275	8	—	283	232	283	61	61
			285	19	—	304	233	304	81	81
		Total - - - £. Engineers' Stores - -	9	—	—	9	—	9	9	9

Casual repairs, supplies,
and returns.

- ditto - ditto.

Return of mast. This
boat was taken to
pieces in 1868.Casual repairs, supplies,
returns, &c.PORTS-
MOUTH
YARD—

Ship	Date	Particulars	Amount	General repairs, supplies, returns, &c.	Taking account of fixtures, &c.	Repairs, new boiler fitted, supplies, returns, &c.	Casual repairs, supplies, returns, &c.
GRINDEN (Steam Tug.)	23 Mar. 1874	Hull - - - - Rigging and Stores - - Total - - - - £.	216 141 357	222 16 238	438 157 595	22 57 79	416 100 516
	20 Mar. "	Engines and Engineers' Fittings. Boilers and Engineers' Fittings. Engineers' Stores - - Total - - - - £.	115 2,139 139 2,393	217 327 — 544	332 2,466 139 2,937	9 10 6 25	323 2,456 133 2,912
LILY (Coal Depôt.)	26 Oct. "	Hull - - - -	—	1	1	—	1
	23 Jan. "	Hull - - - - Rigging and Stores - - Total - - - - £.	194 8 202	151 — 151	345 8 353	13 14 27	332 6 326
	20 Mar. "	Engines and Engineers' Fittings. Boilers and Engineers' Fittings. Total - - - - £.	37 135 172	224 194 418	261 329 590	14 176 190	247 153 400
MANLY (Steam Tug.)	23 Mar. "	Hull - - - - Masts and Yards - - Rigging and Stores - - Total - - - - £.	81 — 97 178	182 3 6 191	263 3 103 369	10 — 10 20	253 3 93 349
	20 Mar. "	Engines and Engineers' Fittings. Boilers and Engineers' Fittings. Engineers' Stores - - Total - - - - £.	5 5 49 59	32 33 3 68	37 38 52 127	— — 2 2	37 38 50 125
ORESTES (Coal Depôt.)	31 Mar. "	Hull - - - - Rigging and Stores - - Total - - - - £.	6 44 50	16 — 16	22 44 66	— 6 6	22 38 60
	23 Jan. "	Hull - - - - Rigging and Stores - - Total - - - - £.	13 10 23	25 — 25	38 10 48	— 2 2	38 8 46
PET (Coal Depôt.)	23 Mar. "	Hull - - - - Rigging and Stores - - Total - - - - £.	13 10 23	25 — 25	38 10 48	— 2 2	38 8 46

PORTS-
MOUTH
YARD—
continued.

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PORTSMOUTH DOCKYARD AND FACTORY.—No. 4.—DETAILED SHIP ACCOUNT—continued.

No. 4.—STEAM TUGS, YARD CRAFT, COAL DEPÔTS, &c., BUILDING, FITTING, REFITTING, &c.—continued.

Yard to which the Craft is Attached.	Name and Description of Yard Craft.	Horse Power.	PERIODS within which the Expense was incurred.		Detailed Head of Charge.	Value of Materials Issued.	Wages.	Payments to Contractors &c. Made and Allowed at Admiralty.	Gross Total, excluding incidental and Establishment Charges.	Value of Materials Returned.	Net Total, excluding incidental and Establishment Charges.	Incidental and Establishment Charges.	Total Expense, inclusive of incidental and Establishment Charges.	REMARKS.
			From	To										
PORTSMOUTH YARD—continued.	PITT (Coal Depôt.)	—	23 Mar. 1874	20 Mar. 1875	Hull - - - - £.	£.	£.	£.	£.	£.	£.	£.	£.	Casual repairs, supplies, and returns.
					Rigging and Stores	35	65	—	100	—	100	—	100	
					Total - - - - £.	12	5	—	17	5	12	—	12	
	SNAPPER (Coal Depôt.)	—	1 Sept. "	7 Nov. 1874	Boilers and Engineers' Fittings.	47	70	—	117	5	112	—	112	Slight repair, supplies, and returns.
						1	—	—	1	—	1	—	1	
					Total - - - - £.	—	—	—	14	3	11	—	11	
	STEAM LAUNCH, No. 1 (attached to Chief Constructor's Department for attending on workmen at Spithead).	5	31 Mar. "	20 Mar. 1875	Hull - - - - £.	11	4	—	15	3	12	—	12	General repairs, supplies, and returns.
					Engines and Engineers' Fittings.	13	20	—	33	3	30	—	30	
					Boilers and Engineers' Fittings.	14	69	—	83	11	72	—	72	
	STEAM LAUNCH, No. 34 (attached to Chief Constructor's Department).	6	23 Mar. "	20 Mar. "	Engines and Engineers' Fittings.	11	21	—	32	7	25	—	25	Thoroughly repaired and new boiler fitted. Supplies and returns.
					Boilers and Engineers' Fittings.	28	—	—	28	—	28	—	28	
					Engineers' Stores - - - - £.	53	90	—	143	18	125	—	125	
					Total - - - - £.	—	—	—	—	—	—	—	—	
					Hull - - - - £.	56	41	—	97	13	84	—	84	
					Engines and Engineers' Fittings.	17	90	—	107	10	97	—	97	
					Boilers and Engineers' Fittings.	198	94	—	292	17	275	—	275	
					Engineers' Stores - - - - £.	8	—	—	8	—	8	—	8	
					Total - - - - £.	223	184	—	407	27	380	—	380	

6	13	1 June "	12 Dec. 1874	Hull - - - - £.	13	30	—	47	4	39	Casual repairs, supplies, and returns.
				Rigging and Stores -	1	—	—	1	—	1	
				Total - - - £.	14	30	—	44	4	40	
				Engines and Engineers' Fittings.	—	5	—	5	—	5	
6	13	14 Dec. "	20 Mar. 1875	Boilers and Engineers' Fittings.	3	7	—	10	—	10	Clearing fittings, engines, and boilers, for fitting as a haulabout.
				Enginers' Stores -	8	—	—	8	—	8	
				Total - - - £.	11	12	—	23	—	23	
				Hull - - - - £.	17	—	—	17	—	17	
Late 60 (180)	236 (384)	23 Nov. "	6 Feb. "	Rigging and Stores -	—	1	—	1	—	1	Casual repairs, supplies, &c.
				Total - - - £.	17	1	—	18	—	18	
				Hull - - - - £.	27	72	—	99	272	473	
				Engines and Engineers' Fittings.	—	7	—	7	160	167	
-	236 (384)	8 June "	27 Feb. "	Boilers and Engineers' Fittings.	—	13	—	13	109	122	Casual repairs, supplies, &c.
				Total - - - £.	—	20	—	20	269	289	
				Hull - - - - £.	3	9	—	12	—	12	
				Rigging and Stores -	5	—	—	5	1	6	
-	235 (384)	21 Dec. "	16 Jan. "	Total - - - £.	8	9	—	17	1	18	Casual repairs.
				Hull - - - - £.	2	4	—	6	—	6	
				Hull - - - - £.	38	37	—	75	5	80	
				Rigging and Stores -	135	10	—	145	43	188	
-	198	23 Mar. "	13 Mar. "	Total - - - £.	173	47	—	220	48	268	Casual repairs, supplies, &c.
				Engines and Engineers' Fittings.	2	16	—	18	—	18	
				Boilers and Engineers' Fittings.	6	43	—	49	—	49	
				Enginers' Stores -	31	—	—	31	—	31	
-	180	10 Aug. "	5 Sept. 1874	Total - - - £.	39	59	—	98	—	98	Surveying vessel and returns.
				Hull - - - - £.	—	9	—	9	—	9	
				Rigging and Stores -	—	3	—	3	65	68	
				Total - - - £.	—	12	—	12	65	77	

STREAM PINNACE,
No. 12 (for use
of the Admiral
Superintendent).

STORK - - - -
(Haulabout, late
Gunboat.)

PORTS-
MOUTH
YARD—
continued.

No.	Description	95	7 Dec. "	20 Mar. "	Hull	-	-	4	3	-	7	-	7	Small repair.
No. 14 (Open Lighter, No. 1), for landing timber from timber ships, and conveying stores to or from Her Majesty's ships).	92	23 Mar. "	9 Jan. "	17	26	-	43	7	36	-	-	-	-	Casual repairs and re- turns.
No. 15 (Open Lighter, No. 2), for landing timber from timber ships, and conveying stores to or from Her Majesty's ships).	104	3 Aug. "	19 Sept. 1874	19	13	-	32	-	32	-	-	-	-	Casual repairs, &c.
No. 19 (Iron Lighter.	33	15 June "	20 Feb. 1875	50	62	-	112	13	90	-	-	-	-	Repairs and returns.
No. 20 (Open Lighter, No. 7), for landing timber from timber ships, and conveying stores to or from ships).	46	5 Oct. "	5 Dec. 1874	7	12	-	19	-	19	-	-	-	-	Casual repairs, &c.
No. 22 (Open Lighter, No. 9), for conveying stores to or from Haslar Yard.)	35	10 Aug. "	27 Feb. 1875	23 2	19 -	-	42 2	-	42 2	-	-	-	-	Repairs, &c.
No. 24 (Mud Punt, No. 1).	45	20 April "	16 May 1874	7	13	-	20	-	20	-	-	-	-	Casual repairs, &c.
No. 27 (Mud Punt, No. 7).	45	20 April "	12 Dec. "	6 16 22	13 - 13	-	19 16 35	-	19 16 35	-	-	-	-	- ditto.
No. 28 (Mud Punt, No. 9).	45	14 Sept. "	30 Oct. "	5	3	-	8	-	8	-	-	-	-	- ditto.
No. 30 (Mud Punt, No. 19).	40	4 May "	14 Nov. "	3	3	-	6	-	6	-	-	-	-	- ditto.
No. 31 (Mud Punt, No. 20).	47	11 May "	12 Dec. "	18	26	-	44	4	40	-	-	-	-	Repairs and returns.
No. 35 (Iron Fire Float, No. 1).	87	8 June "	30 Oct. "	83	14	-	97	-15	82	-	-	-	-	Casual repairs and re- turns.
No. 36 (Iron Fire Float, No. 2).	86	3 Aug. "	26 Sept. "	20	18	-	38	-	38	-	-	-	-	Casual repairs, &c.
No. 37 (Engine Boat).	37	3 Aug. "	19 Sept. "	4	-	-	4	-	4	-	-	-	-	Supplies.
No. 39 (Engine Boat).	24	30 June "	6 Mar. 1875	33	1	-	34	-	34	-	-	-	-	Casual repairs.
No. 40 (Engine Boat).	19	29 Sept. "	6 Mar. "	15	1	-	16	-	16	-	-	-	-	- ditto.

PORTS.
MOUTH
YARD—
continued.

PORTSMOUTH DOCKYARD AND FACTORY.—No. 4.—DETAILED SHIP ACCOUNT—continued.

No. 4.—STEAM TUGS, YARD CRAFT, COAL DEPÔTS, &c., BUILDING, FITTING, REFITTING, &c.—continued.

Yard to which the Craft is Attached.	Name and Description of Yard Craft.	Horse Power.	Tonnage.	PERIODS within which the Expense was incurred.		Detailed Head of Charge.	Value of Materials Issued.	Wages.	Payments to Contractors, &c. Made and Allowed at Admiralty.	Gross Total, excluding Incidentals and Establishment Charges.	Value of Materials Returned.	Net Total, excluding Incidentals and Establishment Charges.	Incidental and Establishment Charges.	Total Expense, including Incidentals and Establishment Charges.	REMARKS.
				From	To										
DEVON-PORT YARD.	FANNY	-	168	20 Sept. 1874	9 Jan. 1875	Rigging and Stores	£. 3	£. 4	£. -	£. 7	£. -	£. 7	£. -	£. -	Repairing boat.
						Engineers' Stores	1	-	-	1	-	1	-	-	
	TRUSTY (Steam Tug)	150 (855)	319 (-)	14 Dec. "	19 Dec. 1874	Hull	-	1	-	1	-	-	-	-	Small repair.
	Coal Depôts	-	-	1 June "	6 June "	Hull	10	-	-	10	-	10	-	-	Supplies.
PORTLAND YARD.						Hull	4	14	-	18	-	18	-	-	
						Rigging and Stores	-	2	-	2	-	2	-	-	
						Total	4	16	-	20	-	20	-	-	
	ELIZABETH (Steam Tank Vessel.)	30 (244)	257 (370)	31 Mar. "	20 Mar. 1875	Engines and Engineers' Fittings.	9	8	*25	42	-	42	-	-	Casual repairs, supplies, and returns.
						Boilers and Engineers' Fittings.	-	2	-	2	-	2	-	-	*Royalty on feed water purifying apparatus.
QUEENSTOWN YARD.						Engineers' Stores	2	-	-	2	4	2	-	-	
						Total	11	10	25	46	4	42	-	-	
	SHAMROCK (Iron Tug and Tank Vessel.)	- (102)	- (101)	6 April "	11 April 1874	Rigging and Stores	20	-	-	20	-	20	-	-	Supplies.

[illegible]

continued.

BUILDING; KTTING, REEITING, &c.—continued.

Yard to which the Craft is Attached.	Name and Description of Yard Craft.	Horse Power.	Tonnage.	PERIODS within which the Expense was incurred.		Detailed Head of Charge.	Value of Materials Issued.	Wages.	Payments to Contractors, &c. Made and Allowed at Admiralty.	Gross Total, excluding Incidentals and Establishment Charges.	Value of Materials Returned.	Net Total, excluding Incidentals and Establishment Charges.	Incidental and Establishment Charges.	Total Expense, inclusive of Incidentals and Establishment Charges.	REMARKS.
				From	To										
	PELTER " (Tank Vessel.)	40 (222)	250 (870)	23 Mar. 1874	16 May 1874	Hull - - - £. Masts and Yards - - Rigging and Stores - Total - - - £.	49 - 47 96	131 2 8 181	- - - -	170 2 55 227	2 - 1 3	168 2 54 224			
						Engines and Engineers' Fittings. Boilers and Engineers' Fittings. Total - - - £.	4 143 147	8 70 78	- - -	12 213 255	3 77 80	9 136 145			Repairs, supplies, and returns.
				18 May	28 Nov.	Hull - - - £. Rigging and Stores - Total - - - £.	- 4 4	1 - 1	- - -	1 4 5	- - -	1 4 5			
						Boilers and Engineers' Fittings. Enginers' Stores - Total - - - £.	1 19 20	6 - 6	- - -	7 19 26	- 8 8	7 11 18			
ROYAL CLARENCE YARD—continued.	No. 2 ("Bessie") (Hoy for provisioning ships).	-	55	22 June "	30 Mar. 1875	Hull - - - £. Masts and Yards - - Rigging and Stores - Total - - - £.	23 6 18 47	1 2 2 5	- - - -	24 8 20 52	16 1 2 19	8 7 18 33			Casual repairs, supplies and returns.
	No. 5 ("Swale") (Hoy for provisioning ships).	-	70	18 May "	11 Nov. 1874	Rigging and Stores -	16	-	-	16	-	16			Supplies and returns.
				4 Jan. 1875	20 Mar. 1875	Rigging and Stores -	3	-	-	3	-	2			

NAME OF SHIP.	Rate or Class of Ship.	PERIODS within which the Expense was incurred.		Tonnage.	Horse Power.	Number of Guns.	Value of Materials Issued.	Wages.	Payments to Contractors, &c. Made and Allowed at Admiralty.	Gross Total, excluding Incidentals and Establishment Charges.	Value of Materials Returned.	Net Total, excluding Incidentals and Establishment Charges.	Incidental and Establishment Charges.	Total Expense, inclusive of Incidentals and Establishment Charges.	REMARKS.
		From	To												
No. 6 ("Alpheus") (Tank Vessel in Reserve).	-	55	4 May 1874	20 Mar. "	-	-	Hull - - - - -	55	2	-	58	-	58	-	Casual repairs, supplies, and returns.
							Masts and Yards - - -	-	1	-	1	-	1	-	
							Rigging and Stores - -	71	6	-	77	34	43	-	
No. 7 ("Sisters") (Tank Vessel).	-	46	17 Aug. "	13 Mar. "	-	-	Total - - - - -	126	10	-	136	34	102	-	Small repairs and returns.
							Engineers' Stores - - -	-	-	-	-	1	1	-	
							Hull - - - - -	2	6	-	8	-	8	-	
TOTAL	-	-	-	-	-	-	Hull - - - - -	2,138	2,901	-	5,039	773	4,266	-	See Abstract (p. 327).
							Masts and Yards - - -	12	18	-	30	11	19	-	
							Rigging and Stores - -	2,091	125	-	2,216	689	1,547	-	
Engines and Engineers' Fittings.	-	-	-	-	-	-	Total - - - - -	4,241	3,044	-	7,285	1,453	5,832	-	
							Engines and Engineers' Fittings.	605	1,456	25	2,086	303	1,783	-	
							Boilers and Engineers' Fittings.	5,854	1,905	-	7,459	706	6,753	-	
TOTAL	-	-	-	-	-	-	Engineers' Stores - - -	531	4	-	535	24	511	-	
							Total - - - - -	6,990	3,065	25	10,080	1,033	9,047	-	

No. 5.—SHIPS AND VESSELS BREAKING UP.

NAME OF SHIP.	Rate or Class of Ship.	PERIODS within which the Expense was incurred.		Tonnage.	Horse Power.	Number of Guns.	Value of Materials Issued.	Wages.	Payments to Contractors, &c. Made and Allowed at Admiralty.	Gross Total, excluding Incidentals and Establishment Charges.	Value of Materials Returned.	Net Total, excluding Incidentals and Establishment Charges.	Incidental and Establishment Charges.	Total Expense, inclusive of Incidentals and Establishment Charges.	REMARKS.						
		From	To																		
LUCIFER -	- Late Tender	1 Feb. 1875	6 Feb. 1875	387 (—)	180 (280)	—	Hull - - - - -	£. —	£. 2	£. 2	£. 3	£. 4	£. —	£. —	{ Returns. The order for the vessel to be taken to pieces has been rescinded. Superintending breaking up the ship. Returns from breaking up. Taken to pieces in 1874-75.						
MERMAID -	- 5th Rate	21 Sept. 1874	20 Mar. "	1,085 (1,447)	—	—	Hull - - - - -	—	188	188	—	188	—	—							
MOORING LIGHTER No. 4. (Late Portsmouth Yard Craft, No. 11).	- - -	2 Nov. "	12 Dec. 1874	197	—	—	Hull - - - - -	—	132	132	306	474	—	—							
RACER -	- Sloop	21 Sept. "	30 Jan. 1875	579 (798)	—	—	Hull - - - - -	—	83	83	354	274	—	—	Return of metal fittings, &c. Ordered to be taken to pieces.						
TOTAL - - - - -															£.	258	663	405	405	258	See Abstract (p. 327).

PORTSMOUTH DOCKYARD AND FACTORY.—No. 4.—DETAILED SHIP ACCOUNT—continued.

ABSTRACT.

A B S T R A C T.										
Page.	DESCRIPTION.	Detailed Head of Charge.	Value of Materials Issued.	Wages.	Payments to Contractors, &c. Made and Allowed at Admiralty.	Gross Total, excluding Incidentals and Establishment Charges.	Value of Materials Returned.	Net Total, excluding Incidentals and Establishment Charges.	Incidental and Establishment Charges.	Total Expense, inclusive of Incidentals and Establishment Charges.
245	Iron Clads built in Her Majesty's Dockyards -	<div> <div>Hull - - - - -</div> <div>Masts and Yards - - - - -</div> <div>Rigging and Stores - - - - -</div> <div>Engines and Engineers' Fittings - - - - -</div> <div>Boilers and Engineers' Fittings - - - - -</div> <div>Engineers' Stores - - - - -</div> <div>TOTAL - - - - - £.</div> </div>	<div>£.</div> <div>57,386</div> <div>—</div> <div>64</div> <div>9</div> <div>16</div> <div>11</div> <div>57,436</div>	<div>£.</div> <div>24,892</div> <div>7</div> <div>8</div> <div>58</div> <div>52</div> <div>—</div> <div>25,017</div>	<div>£.</div> <div>—</div> <div>—</div> <div>—</div> <div>24,000</div> <div>—</div> <div>—</div> <div>24,000</div>	<div>£.</div> <div>82,228</div> <div>7</div> <div>72</div> <div>24,067</div> <div>68</div> <div>11</div> <div>106,453</div>	<div>£.</div> <div>1,672</div> <div>—</div> <div>410</div> <div>—</div> <div>—</div> <div>—</div> <div>2,082</div>	<div>£.</div> <div>80,556</div> <div>7</div> <div>338</div> <div>24,067</div> <div>68</div> <div>11</div> <div>104,371</div>	<div>£.</div> <div>12,876</div> <div>117,247</div>	£.
258	Not Iron Clad -	<div> <div>Hull - - - - -</div> <div>Masts and Yards - - - - -</div> <div>Rigging and Stores - - - - -</div> <div>Engines and Engineers' Fittings - - - - -</div> <div>Boilers and Engineers' Fittings - - - - -</div> <div>Engineers' Stores - - - - -</div> <div>TOTAL - - - - - £.</div> </div>	<div>£.</div> <div>47,448</div> <div>1,003</div> <div>17,792</div> <div>892</div> <div>476</div> <div>252</div> <div>67,869</div>	<div>£.</div> <div>56,081</div> <div>740</div> <div>1,548</div> <div>1,101</div> <div>915</div> <div>1</div> <div>60,396</div>	<div>£.</div> <div>—</div> <div>—</div> <div>—</div> <div>33,597</div> <div>—</div> <div>—</div> <div>33,597</div>	<div>£.</div> <div>108,539</div> <div>1,749</div> <div>19,340</div> <div>35,590</div> <div>1,391</div> <div>253</div> <div>161,862</div>	<div>£.</div> <div>6,403</div> <div>141</div> <div>1,386</div> <div>283</div> <div>42</div> <div>2</div> <div>8,257</div>	<div>£.</div> <div>97,136</div> <div>1,608</div> <div>17,954</div> <div>35,307</div> <div>1,349</div> <div>251</div> <div>153,405</div>	<div>£.</div> <div>28,661</div> <div>182,266</div>	£.
260	Iron Clads built by Contract - - - - -	<div> <div>Hull - - - - -</div> <div>Masts and Yards - - - - -</div> <div>Rigging and Stores - - - - -</div> <div>Engines and Engineers' Fittings - - - - -</div> <div>Boilers and Engineers' Fittings - - - - -</div> <div>Engineers' Stores - - - - -</div> <div>TOTAL - - - - - £.</div> </div>	<div>£.</div> <div>8,587</div> <div>386</div> <div>4,429</div> <div>916</div> <div>1,784</div> <div>784</div> <div>16,246</div>	<div>£.</div> <div>16,742</div> <div>544</div> <div>714</div> <div>1,905</div> <div>1,668</div> <div>6</div> <div>21,639</div>	<div>£.</div> <div>—</div> <div>—</div> <div>—</div> <div>—</div> <div>—</div> <div>—</div> <div>—</div>	<div>£.</div> <div>25,329</div> <div>940</div> <div>5,143</div> <div>2,911</div> <div>2,852</div> <div>740</div> <div>37,915</div>	<div>£.</div> <div>1,076</div> <div>124</div> <div>1,754</div> <div>1,860</div> <div>561</div> <div>42</div> <div>5,417</div>	<div>£.</div> <div>24,253</div> <div>816</div> <div>3,389</div> <div>1,051</div> <div>2,291</div> <div>638</div> <div>32,498</div>	<div>£.</div> <div>10,081</div> <div>42,579</div>	£.
263	Iron Clads built in Her Majesty's Dockyards.	<div> <div>Hull - - - - -</div> <div>Masts and Yards - - - - -</div> <div>Rigging and Stores - - - - -</div> <div>Engines and Engineers' Fittings - - - - -</div> <div>Boilers and Engineers' Fittings - - - - -</div> <div>Engineers' Stores - - - - -</div> <div>TOTAL - - - - - £.</div> </div>	<div>£.</div> <div>11,630</div> <div>900</div> <div>15,992</div> <div>787</div> <div>2,221</div> <div>8,797</div> <div>35,417</div>	<div>£.</div> <div>15,324</div> <div>659</div> <div>1,269</div> <div>1,144</div> <div>2,431</div> <div>13</div> <div>20,839</div>	<div>£.</div> <div>—</div> <div>—</div> <div>—</div> <div>—</div> <div>—</div> <div>—</div> <div>—</div>	<div>£.</div> <div>26,954</div> <div>1,649</div> <div>17,261</div> <div>1,931</div> <div>4,652</div> <div>3,809</div> <div>56,256</div>	<div>£.</div> <div>1,388</div> <div>192</div> <div>5,928</div> <div>264</div> <div>982</div> <div>574</div> <div>9,238</div>	<div>£.</div> <div>25,666</div> <div>1,457</div> <div>11,333</div> <div>1,667</div> <div>3,670</div> <div>3,235</div> <div>47,028</div>	<div>£.</div> <div>10,549</div> <div>57,577</div>	£.
288	Not Iron Clad -	<div> <div>Hull - - - - -</div> <div>Masts and Yards - - - - -</div> <div>Rigging and Stores - - - - -</div> <div>Engines and Engineers' Fittings - - - - -</div> <div>Boilers and Engineers' Fittings - - - - -</div> <div>Engineers' Stores - - - - -</div> <div>TOTAL - - - - - £.</div> </div>	<div>£.</div> <div>13,022</div> <div>916</div> <div>42,391</div> <div>2,452</div> <div>12,838</div> <div>6,830</div> <div>78,379</div>	<div>£.</div> <div>16,615</div> <div>972</div> <div>2,772</div> <div>2,391</div> <div>4,548</div> <div>37</div> <div>27,385</div>	<div>£.</div> <div>—</div> <div>—</div> <div>—</div> <div>—</div> <div>—</div> <div>—</div> <div>—</div>	<div>£.</div> <div>29,637</div> <div>1,888</div> <div>45,103</div> <div>5,072</div> <div>17,607</div> <div>6,867</div> <div>106,174</div>	<div>£.</div> <div>2,331</div> <div>172</div> <div>6,500</div> <div>1,027</div> <div>3,592</div> <div>1,741</div> <div>15,363</div>	<div>£.</div> <div>27,306</div> <div>1,716</div> <div>38,603</div> <div>1,045</div> <div>14,015</div> <div>5,126</div> <div>90,811</div>	<div>£.</div> <div>15,100</div> <div>105,911</div>	£.

No. 1.—Ships Building and Completing for Sea Service

No. 2.—Wear and Tear and Maintenance of the Fleet, in Commission and in Reserve, including Repairs, Refits, Alterations, Works rendered necessary by New Armaments, and the renewal of Worn-out and Perishable Stores, such as Rigging, Rope, Sails, Blocks, &c.:—

In Commission

TOTAL No. 1. Ships Building - - - £. 299,513

TOTAL No. 2. In Commission - - - £. 206,067

289	Iron Clads built by Contract - - - -	Hull - - - - £.	7,258	12,322	-	19,580	2,483	17,097	8,311	33,509
			Masts and Yards - - - -	364	392	756	74	682		
290	Iron Clads built in Her Majesty's Dockyards - -	Hull - - - - £.	3,021	279	-	3,300	4,886	1,586	1,298	9,238
			Rigging and Stores - - - -	1,375	1,375	9,573	531	3,042		
310	Not Iron Clad	Hull - - - - £.	2,198	2,774	-	6,612	661	5,951	22,659	98,998
			Engines and Engineers' Fittings -	3,838	1	13	1	12		
313	No. 3.—Hulks Repairing, &c.	Hull - - - - £.	16,691	17,143	-	33,834	8,636	25,198	701	3,202
			TOTAL	-	-	-	-	-		
325	No. 4.—Steam Tugs, Yard Craft, Coal Depôts, &c., Building, Fitting, Refitting, &c.	Hull - - - - £.	990	1,504	-	2,494	162	2,332	3,115	17,993
			Masts and Yards - - - -	150	56	221	36	185		
335	No. 5.—Ships and Vessels Breaking up -	Hull - - - - £.	2,620	640	-	3,320	273	3,047	24	234
			Engines and Engineers' Fittings -	2,680	21	54	2	52		
335	TOTAL	Hull - - - - £.	33	-	-	-	1	1	113,375	668,286
			Boilers and Engineers' Fittings -	-	-	-	-	-		
335	GRAND TOTAL - - - £.	Hull - - - - £.	6,473	2,292	-	8,765	825	7,940	255	554,911
			TOTAL	-	-	-	-	-		
335	TOTAL	Hull - - - - £.	34,560	35,395	-	69,955	8,305	61,650	201	2,509
			Masts and Yards - - - -	1,799	1,151	2,950	783	2,167		
335	TOTAL	Hull - - - - £.	12,126	1,462	-	13,588	8,212	5,376	1,119	2,308
			Rigging and Stores - - - -	3,509	3,382	675	85	85		
335	TOTAL	Hull - - - - £.	7,730	3,205	-	10,935	8,769	2,166	18	720
			Engines and Engineers' Fittings -	302	1	303	142	161		
335	TOTAL	Hull - - - - £.	60,026	44,596	2,521	107,143	30,804	76,339	1,423	2,501
			TOTAL	-	-	-	-	-		
335	TOTAL	Hull - - - - £.	1,340	1,169	-	2,509	201	2,308	773	4,206
			Masts and Yards - - - -	2	-	2	11	19		
335	TOTAL	Hull - - - - £.	553	122	-	675	1,119	444	303	1,782
			Rigging and Stores - - - -	-	-	-	85	1,547		
335	TOTAL	Hull - - - - £.	737	1	-	738	18	720	706	6,753
			Engines and Engineers' Fittings -	-	-	-	24	511		
335	TOTAL	Hull - - - - £.	2,632	1,292	-	3,924	1,423	2,501	2,486	14,878
			TOTAL	-	-	-	-	-		
335	TOTAL	Hull - - - - £.	2,138	2,901	-	5,039	773	4,266	663	234
			Masts and Yards - - - -	12	18	30	11	19		
335	TOTAL	Hull - - - - £.	2,091	125	-	2,216	689	1,547	405	61,008
			Rigging and Stores - - - -	604	1,456	2,085	303	303		
335	TOTAL	Hull - - - - £.	5,854	1,605	-	7,459	706	6,753	24	511
			Engines and Engineers' Fittings -	531	4	535	24	511		
335	TOTAL	Hull - - - - £.	11,230	6,109	25	17,364	2,486	14,878	663	234
			TOTAL	-	-	-	-	-		
335	TOTAL	Hull - - - - £.	-	-	405	405	663	234	113,375	668,286
			TOTAL	-	-	-	-	-		
335	TOTAL	Hull - - - - £.	184,309	182,955	405	367,669	25,357	342,312	85,194	554,911
			Masts and Yards - - - -	4,554	-	10,192	1,633	8,659		
335	TOTAL	Hull - - - - £.	101,019	8,355	-	109,374	31,215	78,159	9,219	78,742
			Rigging and Stores - - - -	14,047	60,372	87,961	9,219	78,742		
335	TOTAL	Hull - - - - £.	34,180	17,219	231	51,630	15,315	36,315	2,545	10,724
			Boilers and Engineers' Fittings -	13,206	63	13,269	2,545	10,724		
335	GRAND TOTAL - - - £.	Hull - - - - £.	352,399	226,688	61,008	640,095	85,194	554,911	24	234
			TOTAL	-	-	-	-	-		

PORTSMOUTH DOCKYARD

No.

Dr.

DOCKYARD CHARGES INCIDENTAL TO

To INCOME ACCOUNT (p. 239):—		£.	£.
For Amounts shown against the Services in the Detailed Account annexed, viz.:—			
Salaries, &c.	- - - - -	14,260	
Rents, Rates, Taxes, and Water	- - - - -	2,317	
Lighting with Gas	- - - - -	2,141	
Contingencies	- - - - -	1,141	
Wages to Artificers, &c., including Wages, Yard Service Afloat, Hire of Teams, and Extra Pay to Artificers of the Fleet	- - - - -	44,900	
Wages, Police Force	- - - - -	4,068	
Freight and Sundry Expenses connected with Naval Stores	- - - - -	142	
Estimated Current Charge for Deferred Annuities, equal to 7 per Cent. on the Salaries to Dockyard Officers, and Wages paid to Established Workmen, on account of the prospect of Pensions on their Retirement	- - - - -	9,244	
Repairs, Replacements, &c. of Buildings, Docks, &c.	- - - - -	13,781	
Contingencies (Works and Repairs)	- - - - -	658	
Ditto - (Machinery)	- - - - -	135	
Repairs, Replacements, &c. of Plant (Machinery)	- - - - -	10,937	
			103,724
To CAPITAL ACCOUNT (p. 242):—			
For Value of Stores drawn for the Services named in the Detailed Account	- - - - -		37,696
To CONVERSIONS (p. 337):—			
For Amount of the Excess Cost of Manufactured Produce over the Value at which it has been charged to Stock for subsequent Issue	- - - - -		1,553
To OTHER YARDS (p. 339):—			
For proportion of Cost of Shipment at the following Yards, of Stores received at Portsmouth Yard, viz.:—		£.	
Deptford	- - - - -	201	
Chatham	- - - - -	282	
Sheerness	- - - - -	47	
Devonport	- - - - -	770	
Pembroke	- - - - -	8	
Foreign Yards	- - - - -	7	
			1,315
		£.	144,288

AND FACTORY.

5.

SHIP BUILDING, EQUIPPING, &c.

Cr.

By INCOME ACCOUNT (p. 240):—

£.

For Value of Materials returned into Store - - - - - 4,826

By OTHER THAN DOCKYARD SERVICES (p. 335):—

For Proportion of Incidental and Establishment Charges on Materials issued to, and returned from, and on Labour employed on account of other Branches of the Naval Service, other Departments of Government, Private Individuals, &c. - - - - - 19,822

By CONVERSIONS (p. 337):—

For Excess of Value at which Manufactured Produce has been charged to Stock for subsequent Issue over the Cost thereof - - - - - 4,812

By OTHER YARDS (p. 339):—

For Cost of Shipment of Stores to the following Yards, viz.—										£.
Deptford	-	-	-	-	-	-	-	-	-	216
Chatham	-	-	-	-	-	-	-	-	-	658
Sheerness	-	-	-	-	-	-	-	-	-	174
Devonport	-	-	-	-	-	-	-	-	-	261
Pembroke	-	-	-	-	-	-	-	-	-	109
Foreign Yards	-	-	-	-	-	-	-	-	-	35
										1,453

By SHIPS (p. 243):—

For Amount of Net Expenditure appropriated *pro ratâ* to Sub-heads of Ship Building, &c. Account - - - - - 113,375

£. 144,288

PORTSMOUTH DOCKYARD AND FACTORY.—No. 5—continued.

DETAILED ACCOUNT of DOCKYARD CHARGES incidental to SHIP BUILDING, EQUIPPING, &c.

DETAILED HEAD OF CHARGE.	DEBITS.				CREDITS.			Net Amount Chargeable.
	Payments for Salaries, Rents, Contingencies, and other Charges.	Wages.	Materials Issued.	TOTAL.	Materials Returned.	Expense of Shipping Stores to other Yards, and other Credits.	TOTAL.	
	£.	£.	£.	£.	£.	£.	£.	£.
Opening and shutting dock gates and penstocks, floating and sinking caissons, and pumping docks; <i>except</i> when it has been possible to charge the expense direct to the ship on account of which it is incurred - - - - -	-	620	852	1,472	71	-	71	1,401
Transporting hawsers, launching rope gear, rope for guys and stages, blocks, planks, bilgeways, cleats, timber, &c., for launching and docking ships, shores, spauls, stage deals, launching booths, floating stages of all kinds, wedges, harpins, and ribands, blocks under new ships, brows, temporary ladders for, and housing over, ships, &c., screws for securing plank, &c.; <i>except</i> when it has been possible to charge the expense direct to the ship on account of which it is incurred - - - - -	-	1,070	12,528	13,598	1,298	-	1,298	12,300
Replacement and maintenance of yard boats - - - - -	-	284	477	761	102	-	102	659
Crabs, winches, carts, waggons, timber carriages, sledges, barrows, ladders, &c. - - - - -	-	756	610	1,366	72	-	72	1,294
Materials and labour (including pay of draughtsmen and modellers) for mould lofts; <i>except</i> when it has been possible to charge the expense direct to the ship on account of which it is incurred - - - - -	-	429	120	549	20	-	20	529
Loan tool store, including repairs and replacement of tools for general service of the yard, but not for conversion shops - - - - -	-	2,651	4,072	6,723	233	-	233	6,490
Fire engines, buckets, hoses, and other gear connected therewith: share of - - - - -	-	51	288	339	2	-	2	337
Collecting old timber, chips, and stores for sale, and cleaning and clearing the yard and docks - - - - -	-	1,797	457	2,254	1,446	-	1,446	808
Coals, candles, furniture, and other stores for officers' offices - - - - -	-	1,097	1,056	2,153	42	-	42	2,111
Wages of all single stationed men and boats' crews, to include draughtsmen (except those in the mould loft), writers (except writers at Ropery and manufacturing writers at other Shops whose pay is charged thereto), signalmen, messengers, postmen, labourers, and boys employed on general duties, not chargeable to any other detailed head of service; also petty stores used in connection with services on which these men are employed; but not including any expenses which could be charged to any specific ship or service: share of - - - - -	-	5,428	136	5,564	4	-	4	5,560
Allowances for apprentices' instructors - - - - -	-	728	-	728	-	-	-	728
Wages of apprentices whilst at school, and board wages to apprentices when sick - - - - -	-	472	-	472	-	-	-	472
Hurt money, including half-pay to yard craft men when sick - - - - -	-	1,790	-	1,790	-	-	-	1,790
Other miscellaneous charges - - - - -	-	8,748	13,952	22,700	955	-	955	21,745
Docks, slips, and basins, including housings over docks and slips, sheds, workshops, caissons, timber racks, temporary roofs, and all other buildings; and waterworks for supplying the yard and for extinguishing fire; repairs, replacements, and maintenance of - - - - -	13,781	-	-	13,781	-	-	-	13,781
Contingencies (Works and Repairs) - - - - -	658	-	-	658	-	-	-	658
Ditto - (Machinery) - - - - -	135	-	-	135	-	-	-	135
Machinery for the general service of the yard and factory; cranes, capstans, steam hoists, &c.; repairs, replacements, and maintenance of - - - - -	10,937	-	-	10,937	-	-	-	10,937
Salaries of Superintendent, Retinue, and Clerks: share of -								
" Master Attendant, Assistant to Master Attendant, Harbour Master, Master Sailmaker, Master Rigger, Master Ropemaker, Foreman of Ropemakers, Foreman of Line Spinners, Layer in the Rope Yard, and Clerks: share of -								
" Master Shipwright, Chief Engineer and Storekeeper, Assistant Master Shipwright, Timber Inspector, Boatswain, Master Smith, Foremen, Converter of Timber, Inspectors, and Clerks: share of -	14,260	-	-	14,260	-	-	-	14,260
" Inspector of Machinery, Assistant Engineer, Conductor of Metal Mills, Assistant Inspector of Steam Machinery, Foremen, Engineer and Millwright, and Clerks - - - - -								
" Foremen of Storehouses and Clerks: share of -								
" Accountant, Inspector of Stores, and Clerks: share of - - - - -								
" Cashier, Timekeeper, and Clerks: share of -								

PORTSMOUTH DOCKYARD AND FACTORY.—No. 5—continued.

DETAILED ACCOUNT of Dockyard Charges incidental to Ship Building, Equipping, &c.—continued.

DETAILED HEAD OF CHARGE.	DEBITS.				CREDITS.			Net Amount Chargeable.
	Payments for Salaries, Rents, Contingencies, and other Charges.	Wages.	Materials Issued.	TOTAL.	Materials Returned.	Expense of Shipping Stores to other Yards, and other Credits.	TOTAL.	
	£.	£.	£.	£.	£.	£.	£.	£.
Addition of 7 per cent. to the foregoing salaries, on account of the prospect of pensions on retirement to those dockyard officers who are entitled to the same	925	-	-	925	-	-	-	92
Rents, rates, taxes, and water	2,317	-	-	2,317	-	-	-	2,31
Lighting with gas	2,141	-	-	2,141	-	-	-	2,14
Contingencies	1,141	-	-	1,141	-	-	-	1,14
Wages, Police Force: share of	4,068	-	-	4,068	-	-	-	4,06
Addition of 7 per cent. to the wages of established workmen, on account of the prospect of pensions on their retirement	8,319	-	-	8,319	-	-	-	8,31
TOTAL, Incidental and Establishment Charges, distributable <i>pro rata</i> on Wages, being at the rate of 42·93 per cent.	58,682	25,921	34,548	119,151	4,245	-	4,245	114,90
Landing, surveying, receiving, depositing, and issuing timber	-	2,379	578	2,957	198	-	198	2,75
Landing, surveying, receiving, depositing, and issuing stores	-	12,673	1,182	13,855	114	-	114	13,74
Continuous survey and survey valuation of stock	-	231	5	236	-	-	-	23
Occasional survey of stores	-	77	-	77	-	-	-	7
Shipping off timber and stores to other yards at home and abroad (including the cost of packing cases and casks <i>only</i> when new, and <i>only</i> at the yards shipping the stores)	-	1,263	190	1,453	-	-	-	1,45
Preservation of timber, boats, and other stores	-	1,708	763	2,471	203	-	203	2,26
Wages of crews of sailing lighters, sheer hulks, and small craft when not employed on services provided for under other specific heads in these Accounts	-	566	-	566	-	-	-	56
Other miscellaneous charges	-	82	83	165	66	-	66	9
Freight and sundry expenses connected with naval stores	142	-	-	142	-	-	-	14
Expenses incurred at other yards, &c., shipping stores to Portsmouth	1,315	-	-	1,315	-	-	-	1,31
Cost of manufactured produce in excess of Rate Book value	1,553	-	-	1,553	-	-	-	1,55
Cost of manufactured produce less than Rate Book value	-	-	-	-	-	4,812	4,812	4,81
Expense incurred at Portsmouth shipping off stores to other yards	-	-	-	-	-	1,453	1,453	1,45
TOTAL, Incidental and Establishment Charges, distributable <i>pro rata</i> on Materials, being at the rate of 3·59 per cent.	3,010	18,979	2,801	24,790	581	6,265	6,846	17,94
Petty stores for steam and sailing ships and vessels in the reserves, distributable <i>pro rata</i> on tonnage of ships in the reserves	-	-	347	347	-	-	-	34
GRAND TOTAL, Incidental and Establishment Charges	61,692	44,900	37,606	144,288	4,826	6,265	11,091	133,19

DISTRIBUTION OF THE ABOVE.

	Amount.	Amount on which Charged.		Rate per Cent.
	£.	Page.	£.	£.
Amount distributable <i>pro rata</i> on Labour, charged direct to Ships	97,322	243	226,688	42·93
Amount on Materials issued to and returned from Ships	15,706	243	437,583	3·59
Amount on Tonnage of Ships in the Reserves	347	-	-	-
TOTAL due to Ships	113,375	-	-	-
Amount on Labour charged direct to other Branches of the Naval Service, other Departments of Government, Private Individuals, &c.	17,584	336	40,958	42·93
Amount on Materials issued to and returned from other Branches of the Naval Service, other Departments of Government, Private Individuals, &c.	2,238	336	62,345	3·59
TOTAL due to other Branches of the Naval Service, other Departments of Government, &c.	19,822	-	-	-
GRAND TOTAL, Incidental and Establishment Charges	133,197	-	-	-

PORTSMOUTH DOCKYARD AND FACTORY.—No. 6—continued.

DETAILED ACCOUNT of HARBOUR and DOCKYARD NATIONAL CHARGES.

DETAILED HEAD OF CHARGE.	DEBITS.				CREDITS.	Net Amount Chargeable.
	Payments for Salaries, Rents, Contingencies, and other Charges.	Wages.	Materials Issued.	TOTAL.	Materials Returned.	
	£.	£.	£.	£.	£.	£.
Harbour and Dockyard Gear: viz., cables, pendants, chains, swivels, bridles, and buoys - - - - -	-	1,930	4,915	6,845	923	5,922
Moorings at Other Ports - - - - -	-	107	470	577	35	542
Fire engines, buckets, hoses, and other gear connected therewith: share of - - - - -	-	51	288	339	2	337
Preliminary arrangements for Sale of Surplus Timber, &c. - - - - -	-	229	2	231	-	231
Dockyard chapel, chemical lecture room and laboratory, school for apprentices, police station and military guard room (labour and petty stores) - - - - -	-	359	304	663	6	657
Experimental services, chargeable to Vote 10, Sect. II., of Navy Estimates (for Details, see p. 695) - - - - -	2,260	-	-	2,260	-	2,260
Wages of all single stationed men and boats' crews, to include draughtsmen (except those in the mould loft), writers (except writers at Ropery and manufacturing writers at other shops whose pay should be charged thereto), signalmen, messengers, postmen, labourers, and boys employed on general duties, not chargeable to any other detailed head of service; also petty stores used in connection with services on which those men are employed, but not including any expenses which could be charged to any specific ship or service: share of - - - - -	-	5,428	137	5,565	5	5,560
Allowances for scholarships and wages, and allowances, &c. of students at Greenwich - - - - -	-	269	-	269	-	269
Holidays - - - - -	-	5,304	-	5,304	-	5,304
Wages of crews of steam tugs and mooring lighters when not employed on services provided for under other specific heads in these accounts - - - - -	-	3,991	-	3,991	-	3,991
Other miscellaneous charges - - - - -	-	3,424	197	3,621	119	3,502
Salaries of Superintendent, Retinue, and Clerks: share of - - - - -	-	-	-	-	-	-
" Master Attendant, Assistant to Master Attendant, Harbour Master, Master Sailmaker, Master Rigger, Master Ropemaker, Foreman of Rope-makers, Foreman of Line Spinners, Layer in the Rope Yard, and Clerks: share of - - - - -	-	-	-	-	-	-
" Master Shipwright and Storekeeper, Assistant Master Shipwright, Timber Inspector, Boat-swain, Master Smith, Foremen, Converter of Timber, Inspectors, and Clerks: share of - - - - -	-	-	-	-	-	-
" Foremen of Storehouses, and Clerks: share of - - - - -	10,923	-	-	10,923	-	10,923
" Accountant, Inspector of Stores, and Clerks: share of - - - - -	-	-	-	-	-	-
" Cashier, Timekeeper, and Clerks: share of - - - - -	-	-	-	-	-	-
" Superintending Civil Engineer, Clerk of Works, Clerk and Accountant, Clerk and Draughtsman, and Foreman of Works - - - - -	-	-	-	-	-	-
" Surgeons and Assistant Surgeons - - - - -	-	-	-	-	-	-
" Chaplain, Schoolmaster, &c. - - - - -	-	-	-	-	-	-
Addition of 7 per cent. to the foregoing salaries, on account of the prospect of pensions on retirement to those Dockyard officers who are entitled to the same - - - - -	910	-	-	910	-	910
Salary of Assistant Engineer in Charge of Portland Coaling, &c. Dépôt - - - - -	183	-	-	183	-	183
Wages, police: share of - - - - -	4,069	-	-	4,069	-	4,069
Dredging Harbour not in connection with Dockyard - - - - -	16,526	-	-	16,526	-	16,526
Additions and Repairs to Portland Coaling, &c. Dépôt - - - - -	1,175	-	-	1,175	-	1,175
Temporary Superintendence, &c. of Engineering and Architectural Works and Repairs - - - - -	2,811	-	-	2,811	-	2,811
TOTAL Harbour and Dockyard National Charges - £.	38,857	21,092	6,313	66,262	1,090	65,172

DEPRECIATION AND APPRECIATION ACCOUNT.

Cr.

Dr.		To.	
To CAPITAL ACCOUNT (p. 242):—		By INCOME ACCOUNT (p. 240):—	
For Value of Stores drawn from Stock on Survey:		For Value of Stores returned to Stock after Survey:	
Timber - - - - -	2,703	Timber - - - - -	756
Stores - - - - -	6,547	Stores - - - - -	5,992
For Decrease in the Value of Stock on Annual Re-valuation:		For Increase in the Value of Stock on Annual Re-valuation:	
Timber - - - - -	—	Timber - - - - -	—
Stores - - - - -	38,314	Stores - - - - -	57,140
For Approximate Value of Stock found Deficient on Continuous Survey:		For Approximate Value of Stock found Surplus on Continuous Survey:	
Timber - - - - -	11,859	Timber - - - - -	8,315
Stores - - - - -	8,394	Stores - - - - -	7,862
For Value of Stores drawn from Stock on Sale:		For Value of Lost Articles recovered by the Police, &c.	50
Timber - - - - -	3,578		
Stores - - - - -	14,098		
For Value of Stores Destroyed by Fire	79	For Proceeds of Sale (Cash not shown in Stock Valuation Account):	
		Timber - - - - -	3,426
		Stores - - - - -	16,414
	85,572		
		By BALANCE ACCOUNT (p. 340):—	
		For Net Charge on Account of—	
		Loss by Survey of Timber - - - - -	£. 5,491
		" by Sales of Timber - - - - -	152
		" by Stores destroyed by Fire - - - - -	79
		" in the Value of Plant (Buildings) - - - - -	38,360
		Less Gain by Survey of Stores - - - - -	17,039
		" by Sale of Stores - - - - -	2,316
		" by value of Articles recovered by Police, &c. - - - - -	50
			44,082
			19,405
			24,677
			123,932
			£. 123,932

PORTSMOUTH DOCKYARD AND FACTORY.—No. 8—continued.

DETAILED ACCOUNT of other than DOCKYARD SERVICES—Supplies to, or Work for, other Branch of the Naval Service, other Departments of Government, Foreign Governments, Private Individuals, &c.

DESCRIPTION OF SERVICE.	DEBITS.				CREDITS.	Net Charge to Services not pertaining to Dockyard
	Wages.	Materials Issued.	Per-centage and other Charges on Supplies, for use of Plant, &c., and other Charges.	TOTAL.	Materials Returned.	
	£.	£.	£.	£.	£.	£.
Repairs to Vessels, &c. damaged by Her Majesty's Ships and Vessels (Vote No. 14) - - - - -	62	51	-	113	14	99
Furniture for the residence and office of the Port Admiral, Secretary, &c. (Vote No. 14) - - - - -	2	76	-	78	3	75
Furniture for the residence of the Superintendent or other Officer of the Dockyard and other Naval Establishments, upon which Per-centage is paid - - - - -	-	1,578	-	1,578	375	1,203
Furniture for the residence of the Superintendent or other Officer of the Dockyard and other Naval Establishments, without Per-centage (old Regulations) - - - - -	-	-	-	-	189	189
Plate, Linen, &c. supplied to Flag Officers in Command, and to Officers in Command of Her Majesty's Ships on condition of the value being repaid - - - - -	-	970	-	970	742	228
New Machinery, &c. for Workshops and the general use of the Yard (Vote No. 11)—Dockyard or Factory Labour and Materials, when not chargeable to Contractors - - - - -	-	7,321	-	7,321	2,366	4,955
New Buildings, &c. (Vote No. 11)—Dockyard or Factory Labour and Materials, when not chargeable to Contractors - - - - -	-	7,231	-	7,231	796	6,435
Value of Stores supplied to, and Labour employed on account of, "Other Branches of the Naval Services," not chargeable to the Votes for Dockyard Services - - - - -	6,983	10,677	-	17,660	1,519	16,141
Value of Stores supplied to, and Labour employed on account of, "Other Departments of Government" - - - - -	28,367	36,523	-	64,890	10,926	53,964
Value of Stores supplied to, and Labour employed on account of, "Foreign Governments" - - - - -	4	1	-	5	-	5
Value of Stores supplied to, and Labour employed on account of, "Private Individuals and Contractors for Vessels and New Works" - - - - -	577	2,150	-	2,727	667	2,060
Value of Stores supplied to, and Labour employed on account of, "Coast Guard Stations on Shore" - - - - -	1	2,754	-	2,755	161	2,594
Proportion of Incidental and Establishment Charges on Materials issued to, and returned from, and on Labour employed on account of other Branches of the Naval Service, other Departments of Government, Private Individuals, &c. - - - - -	-	-	19,822	19,822	-	19,822
£.	35,996	69,332	19,822	125,150	17,788	107,362

	Labour.	Materials.		
		Issued.	Returned.	Total (Issued and Returned).
	£.	£.	£.	£.
Total Amounts charged direct to Other than Dockyard Services - - - - -	35,996	69,332	17,788	87,120
Abate.—The Cost of Repairs, Replacements, and Maintenance of Docks, Slips, &c., and of Yard Machinery, &c. (Issues and Returns, excluding Labour) - - - - -	-	6,894	2,680	9,574
Abate.—The Value of Coals charged under the various Items of Other than Dockyard Services - - - - -	-	14,963	238	15,201
Abate.—The Wages of Men Superintending Ships Building by Contract, &c. - - - - -	3,193	-	-	-
Abate.—The Wages of Men employed on the Delivery of Surplus Timber, &c., to Contractors - - - - -	32	-	-	-
	32,771	47,475	14,870	62,345
Add.—The Wages of Men employed on New Buildings and New Machinery for the Dockyard or Factory - - - - -	6,912	-	-	-
Add.—The Wages of Men employed on Experimental Services - - - - -	1,275	-	-	-
TOTAL Amounts upon which Incidental and Establishment Charges are distributed (see p. 331) - - - - -	£. 40,958	47,475	14,870	62,345

PORTSMOUTH DOCKYARD AND FACTORY.—No. 9—continued.

DETAILED ACCOUNT of CONVERSIONS.

NAME OF CONVERSION ACCOUNT.	DEBITS.			CREDITS.		
	Wages.	Materials Issued.	Excess of Value at which Produce is Returned over the Actual Cost.	Value of Manufactured Produce.	Value of other Returns.	Excess of Actual Cost over Value at which Produce is Returned.
	£.	£.	£.	£.	£.	£.
Saw Pits - - - - -	102	592	-	604	52	38
Saw Mills - - - - -	560	15,312	774	16,169	477	—
Rigging House - - - - -	1,610	11,898	138	12,530	1,116	—
Sail Loft - - - - -	1,551	12,278	-	8,227	5,440	162
Colour Loft - - - - -	455	2,273	133	2,557	304	—
Smithery - - - - -	1,782	8,905	1,113	11,301	499	—
Steam Hammer Shop - - - - -	86	945	-	907	120	4
Mast House - - - - -	966	3,114	6	1,700	2,386	—
Boat Houses - - - - -	1,457	7,382	-	7,741	1,052	46
Oarmakers' Shop - - - - -	140	215	-	242	9	104
Oakum and Pitch-heating Houses, &c. - - - - -	135	1,560	-	1,665	13	17
Joiners' Shop - - - - -	836	2,174	-	2,908	30	72
Wheelwrights' Shop - - - - -	174	637	29	450	390	—
Millwrights' Shop - - - - -	333	970	152	1,432	23	—
Locksmiths' and Braziers' Shops - - - - -	65	191	22	261	17	—
Block Mill - - - - -	2,157	14,900	1,362	18,109	310	—
Hosemakers' Shop - - - - -	171	3,366	26	3,489	74	—
Plumbers' Shop - - - - -	11	126	36	173	—	—
Painters' Shop - - - - -	130	1,537	33	1,700	—	—
Torpedo Shop - - - - -	17	6	-	-	23	—
Boiler Smithery - - - - -	77	842	72	857	134	—
Iron Foundry - - - - -	2,697	3,276	-	4,378	485	1,110
Brass Foundry - - - - -	2,576	20,735	826	20,952	3,185	—
Coppersmiths' Shop - - - - -	48	239	3	286	4	—
Fitting Shop - - - - -	694	1,398	35	1,927	200	—
Boiler Shop - - - - -	2,148	22,462	36	18,830	5,816	—
Pattern Shop - - - - -	6	11	1	18	—	—
Galvanising Shop - - - - -	3	670	15	168	520	—
£.	20,987	138,014	4,812	139,581	22,679	1,553
Dr. - £. 163,813.				Cr. - £. 163,813.		

Notes.—For Details of Manufactures at each Shop, see Manufacturing Accounts for 1874-75 (Parliamentary Paper, No. 182, Session 1876).

No. 10.

OTHER YARDS.

Dr.

Cr.

To CAPITAL ACCOUNT (p. 242):—		£.	£.	By INCOME ACCOUNT (p. 240):—		£.	£.
For Value of Gross Issues of Stores, per Bills of Lading, to be accounted for at the following Yards, viz.:—				For Value of Stores received, per Bills of Lading, from—			
Deptford	-	5,805		Deptford	-	5,656	
Chatham	-	17,714		Chatham	-	20,668	
Sheerness	-	4,667		Sheerness	-	3,309	
Devonport	-	7,024		Devonport	-	32,890	
Pembroke	-	2,943		Pembroke	-	417	
Foreign Yards	-	942		Foreign Yards, &c.	-	834	
			39,095				69,774
To DOCKYARD CHARGES INCIDENTAL TO SHIP BUILDING, EQUIPPING, &c. (p. 329):—		£.	£.	By DOCKYARD CHARGES INCIDENTAL TO SHIP BUILDING, EQUIPPING, &c. (p. 328):—		£.	£.
For Cost of Shipment of Stores to the following Yards, to be there accounted for, viz.:—				For Proportion of the Cost of Shipment, at the following Yards, of Stores received at Portsmouth Yard, viz.:—			
Deptford	-	216		Deptford	-	201	
Chatham	-	658		Chatham	-	282	
Sheerness	-	174		Sheerness	-	47	
Devonport	-	261		Devonport	-	770	
Pembroke	-	109		Pembroke	-	8	
Foreign Yards	-	35		Foreign Yards	-	7	
			1,453				1,315
			40,548				71,089
			30,541				
			71,089				
To BALANCE ACCOUNT (p. 340):—		£.	£.			£.	£.
For Surplus of Receipts from over Issues to other Yards, including Cost of Shipment							

PORTSMOUTH DOCKYARD AND FACTORY.

No. 11.

BALANCE ACCOUNT.

Cr.

Dr.

Dr.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
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ADDENDUM TO THE DETAILED SHIP ACCOUNT.

EXPENDITURE incurred on the under-mentioned Vessels, and not included in the Detailed Ship Account of the Yard, pages 244 to 327, the Expense being chargeable to Naval Votes other than 6 and 10, Section I., "Other Departments of Government," or to Private Individuals.

NAME OF SHIP.	Number of Guns.	Horse Power.	Tonnage.	PERIODS within which the Expense was incurred.		Detailed Head of Charge.	Value of Materials Issued.	Wages.	Gross Total.	Value of Materials Returned.	Net Total.	REMARKS.
				From	To							
CHARGEABLE to VOTE No. 11, DIRECTOR OF WORKS DEPARTMENT— ACCOUNT No. 88, SECT. B., ITEM 5:												
PORTSMOUTH YARD CRAFT, No. 16 ("Malta").	-	-	280	23 Mar. 1874	20 Mar. 1875	Hull - - - Rigging and Stores - Total - - - £.	£. 18 — 18	£. 20 3 23	£. 38 3 41	£. 1 — 1	£. 37 3 40	Casual repairs and returns.
	-	-	-	-	-	Engines and Engineers' Fittings.	129	201	330	28	302	
	-	-	-	-	-	Boilers and Engineers' Fittings.	33	71	104	1	103	
	-	-	-	-	-	Total - - - £.	162	272	434	29	405	
PORTSMOUTH YARD CRAFT, No. 32 ("Harwich").	-	-	246	23 Mar. "	20 Mar. "	Hull - - - Rigging and Stores - Total - - - £.	£. 13 — 13	£. 21 6 27	£. 34 6 40	£. — — —	£. 34 6 40	- ditto.
	-	-	-	-	-	Engines and Engineers' Fittings.	141	124	265	11	254	
	-	-	-	-	-	Boilers and Engineers' Fittings.	—	5	5	—	5	
	-	-	-	-	-	Total - - - £.	141	129	270	11	259	
PORTSMOUTH YARD CRAFT, No. 33 ("Port Patrick").	-	-	302	6 April "	20 Mar. "	Hull - - - Engines and Engineers' Fittings. Boilers and Engineers' Fittings.	£. 8 256 9 265	£. 4 267 5 272	£. 12 523 14 537	£. — 31 — 31	£. 12 492 14 506	- ditto.
	-	-	-	-	-	Total - - - £.	-	-	-	-	-	
	-	-	-	-	-	-	-	-	-	-	-	
	-	-	-	-	-	-	-	-	-	-	-	
CHARGEABLE to VOTE No. 14, Sub-Head W.—ACCOUNT No. 88, SECT. B., ITEM 6:												
ACTON (6th Rate) - - -	-	-	620 (838)	23 Mar. 1874	25 July 1874	Hull - - -	59	153	212	3	209	Docking ship and fitting for torpedo experiments.

PORTSMOUTH DOCKYARD AND FACTORY.—ADDENDUM TO THE DETAILED SHIP ACCOUNT—continued.

EXPENDITURE incurred on the undermentioned Vessels, and not included in the Detailed Ship Account of the Yard, pages 244 to 327, the Expense being chargeable to Naval Votes other than 6 and 10, Section I., "Other Departments of Government," or to Private Individuals.

NAME OF SHIP.	Number of Guns.	Horse Power.	Tonnage.	PERIODS within which the Expense was incurred.		Detailed Head of Charge.	Value of Materials Issued.	Wages.	Gross Total.	Value of Materials Returned.	Net Total.	REMARKS.
				From	To							
CHARGEABLE against WAR DEPARTMENT—ACCOUNT No. 88, SECT. B., ITEM 7:												
BUSTLER (Tug) - - - -	-	100 (304)	217 (-)	23 Mar. 1874	28 Mar. 1874	Boilers and Engineers' Fittings.	£. 8	£. -	£. 8	£. -	£. 8	Materials supplied.
SIR JAMES KEMPT - - - -	-	-	-	13 July "	15 Aug. "	Masts and Yards - -	6	4	10	1	9	Making gaff.
STEAM LAUNCH, No. 40 - - -	-	6	25	11 May "	13 Feb. 1875	Hull - - - -	96	80	176	29	147	Repairs and returns. New boiler fitted.
						Rigging and Stores -	1	-	1	-	1	
						Total - - - £.	97	80	177	29	148	
						Engines and Engineers' Fittings.	10	49	59	1	58	
						Boilers and Engineers' Fittings.	74	110	184	8	176	
CHARGEABLE against the INDIAN GOVERNMENT—ACCOUNT No. 88, SECT. B., ITEM 7:	-			31 Mar. 1874	31 Oct. 1874	Total - - - £.	84	159	243	9	234	Repairs, annual refit, and new boilers fitted. Supplies and returns.
						Hull - - - -	2,410	4,881	7,291	276	7,015	
						Masts and Yards - -	93	63	156	20	136	
						Rigging and Stores -	1,309	320	1,629	333	1,246	
						Total - - - £.	3,812	5,264	9,076	679	8,397	
CROCODILE - - - -	-	700 (1,044)	4,173 (6,211)	31 Mar. 1874	31 Oct. 1874	Engines and Engineers' Fittings.	1,335	1,622	2,957	814	2,143	Repairs, annual refit, and new boilers fitted. Supplies and returns.
						Boilers and Engineers' Fittings.	726	1,931	2,657	2,628	29	
						Engineers' Stores - -	700	24	724	150	574	
						Total - - - £.	2,761	3,577	6,338	3,592	2,746	

PORTSMOUTH DOCKYARD AND FACTORY.—ADDENDUM TO THE DETAILED SHIP ACCOUNT—continued.

EXPENDITURE incurred on the undermentioned Vessels, and not included in the Detailed Ship Account of the Yard, pages 244 to 237, the Expense being chargeable to Naval Votes other than 6 and 10, Section I., "Other Departments of Government," or to Private Individuals.

NAME OF SHIP.	Number of Guns.	Horse Power.	Tonnage.	PERIODS within which the Expense was incurred.		Detailed Head of Charge.	Value of Materials Issued.	Wages.	Gross Total.	Value of Materials Returned.	Net Total.	REMARKS.
				From	To							
CHARGEABLE against the INDIAN GOVERNMENT, &c.—continued.												
JUMNA	3	700 (4,894)	4,173 (6,241)	25 Mar. 1874	24 Oct. 1874	Hull - - - £.	£.	£.	£.	£.	£.	Annual refit. Casual repairs, sup- plies, and returns.
						Masts and Yards - -	1,255	2,097	3,352	172	3,180	
						Rigging and Stores -	14	13	27	2	25	
						Total - - - £.	1,028	167	1,195	278	917	
						Engines and Engineers' Fittings.	2,297	2,277	4,574	452	4,122	
						Boilers and Engineers' Fittings.	370	865	1,235	96	1,139	
						Enginers' Stores - -	83	202	285	20	265	
						Total - - - £.	597	3	600	43	557	
							1,050	1,070	2,120	159	1,961	
							411	246	657	68	589	
			-	-	-	1	4					
			700	7	707	4	703					
			1,111	253	1,364	73	1,291					
			Total - - - £.									
						Engines and Engineers' Fittings.	126	214	340	61	279	
						Boilers and Engineers' Fittings.	55	107	162	10	152	
						Enginers' Stores - -	175	3	178	17	161	
						Total - - - £.	356	324	680	88	592	
						Hull - - -	3	7	10	-	10	
						Rigging and Stores -	12	1	13	-	13	
						Total - - - £.	15	8	23	-	23	
				1 Feb. 1875	20 Mar. "	Engines and Engineers' Fittings.	100	37	137	15	122	
						Boilers and Engineers' Fittings.	5	11	16	16	-	
						Enginers' Stores - -	187	-	187	-	187	
						Total - - - £.	292	48	340	31	309	

[illegible]

DEVONPORT DOCKYARD AND FACTORY.

INDEX.

	PAGE
Statement connecting Navy Estimates and Expense Accounts - - - -	348
General Balance Sheet - - - - - - - - No. 1 - -	350
Income Account - - - - - - - - No. 2 - -	352
Capital Account - - - - - - - - No. 3 - -	356
Ships' Account - - - - - - - - No. 4 - -	357
Account of Dockyard Charges incidental to Ship Building, Equipping, &c. - - - - - - - - No. 5 - -	412
Harbour and Dockyard National Charges Account - - - No. 6 - -	416
Depreciation and Appreciation Account - - - - - No. 7 - -	418
Account of other than Dockyard Services - - - - No. 8 - -	419
Conversions' Account - - - - - - - - No. 9 - -	421
Account of Supplies to, and Receipts from, other Yards - - No. 10 . -	423
Balance Account - - - - - - - - No. 11 - -	424
Addendum to Ship Account - - - - - - - - - - -	425

DEVONPORT DOCKYARD.

STATEMENT showing the Total Amounts granted and the Total Amounts expended for the NAVY under each VOTE as they appear in the published RETABULATION of the STATEMENT of the SURPLUSES and DEFICITS on the NAVY GRANTS, No. 183, of Session 1876 ; also, Portion of Division 1 appertaining to DEVONPORT YARD (pp. 592 to 597 of Report).

Number of Vote.	TITLE OF VOTE.	Division 1. NAVAL YARDS.		Number of Vote.	Portion of Division 1 appertaining to DEVONPORT, &c.	
		Expenditure.	Grant.		Expenditure.	Grant.
		Page in Retabulation of Navy Statement of the Surpluses and Deficits. £.	Page in Retabulation of Navy Statement of the Surpluses and Deficits. £.		Page in Retabulation of Navy Statement of the Surpluses and Deficits. £.	Page in Retabulation of Navy Statement of the Surpluses and Deficits. £.
6	DOCKYARDS AND NAVAL YARDS AT HOME AND ABROAD - - - - - }	14 1,253,610	14 1,253,326	6	15 299,206	15 301,241
10	NAVAL STORES FOR THE BUILDING, REPAIR, AND OUTFIT OF THE FLEET AND COAST GUARD, STEAM MACHINERY, AND SHIPS BUILT BY CONTRACT :					
	SECT. I.—NAVAL STORES - - - - - }	14 1,378,383	14 1,175,159	10, Sect. I.	15 253,671	15 205,800
	SECT. II.—STEAM MACHINERY AND SHIPS BUILT BY CONTRACT - - - - - }	14 823,657	14 828,679	10, Sect. II.	15 41,981	15 41,273
11	NEW WORKS, BUILDINGS, MACHINERY, AND REPAIRS - - - - - }	14 502,671	14 579,209	11	15 37,896	15 41,235
	TOTAL VOTES, 6, 10, AND 11 - - -	14 3,958,321	14 3,836,373	- -	15 632,754	15 589,549
16	SECT. II.—CIVIL PENSIONS AND ALLOWANCES -	14 167,125	14 162,899	16, Sect. II.	- ** 10,229	- † 10,229
	TOTAL Division 1, NAVAL YARDS - - £.	4,125,446	14 3,999,272			
TOTAL Portion of Division 1, appertaining to DEVONPORT, &c. - - - £.					642,983	599,778

** To meet the Estimated Current Charge for Deferred Annuities, equal to 7 per cent. on the Salaries to Dockyard Officers, and on the Total Wages paid in the year to Established Workmen, on account of the prospect of Pensions on their Retirement; see Paper from the Actuary of the National Debt, page viii* of Parliamentary Paper, No. 454, of Session 1867.

In the Retabulation of the Statement of the Surpluses and Deficits, the whole amount against Vote 16, Sect. II., chargeable to Division 1, "Naval Yards," is shown under Column "Other than Yards." In this Account, however, the amount for Devonport has been calculated in accordance with the principle laid down by the Actuary of the National Debt (see Note above).

† The amounts inserted in the "Grant" columns for the several Yards are the same as the calculated Expenditure.

Supplementary Estimates are included in the amounts appearing in the "Grant" columns.

H. WALKER,
Accountant General of the Navy, and
Comptroller of Navy Pay.

No. 1.

EXPENSE ACCOUNTS.

DEVONPORT DOCKYARD AND FACTORY.

ANNUAL BALANCE SHEET of SHIP BUILDING and other DOCKYARD
TRANSACTIONS in Financial Year 1874-75.

No.

EXPENSE

DEVONPORT DOCKYARD

ANNUAL BALANCE SHEET of SHIP BUILDING and

Dr.

For Details, *see separate*

	Page.	£.
To Amounts paid, as per Statement of the Surpluses and Deficits, under the following Votes, and shown in the Income Account, viz. :—		
VOTE No. 6 :		
Salaries, &c. - - - - -	352	27,958
Rents, Rates, Taxes, and Water - - - - -	352	809
Lighting with Gas - - - - -	352	1,563
Contingencies - - - - -	352	1,000
Wages to Artificers, &c. - - - - -	352	249,211
Wages, Yard Service Afloat - - - - -	352	9,082
Hire of Teams - - - - -	352	2,039
Wages, Police Force - - - - -	352	7,482
Extra Pay to Artificers of the Fleet - - - - -	352	62
TOTAL VOTE No. 6 - - - - -	352	299,206
VOTE No. 10, Section I. :		
Naval Stores, &c. - - - - -	352	253,671
VOTE No. 10, Section II. :		
Steam Machinery, Experiments, &c. - - - - -	352	41,981
VOTE No. 11 :		
New Works, &c.—Buildings, Docks, &c. :		
Additions - - - - -	352	3,830
Repairs, Replacements, &c. - - - - -	352	7,976
Other New Works, the Details of which are shown in the } Income Account - - - - -	352	5,516
New Works, &c.—Machinery :		
Additions - - - - -	352	9,488
Repairs, Replacements, &c. - - - - -	352	11,086
TOTAL VOTES, Nos. 6, 10, and 11 (actual Money paid) - - - - -	352	632,754
*VOTE No. 16, Estimated Amounts as charged to Ships and Services - - - - -	352	10,229
TOTAL VOTES, Nos. 6, 10, 11, and Estimated Amount of } Vote 16, being Total Debit from Parliamentary Votes } £.	-	642,983
To Receipts from other Yards, including Cost of Shipment - - - - -	423	43,580
To adjusting Entry, principally consisting of the Value of Stores paid } for by other Departments, &c., and consequently not appearing as } a final Financial Charge to Vote 10, Section I. - - - - -	352	14,350
To Amounts for Services other than those pertaining to Dockyards - - - - -	354	5,253
To adjusting Entry on account of the Value of Materials taken on } charge by the Storekeeper, and debited to Stock, up to the last day } of the Financial Year, but not paid for in the Year - - - - -	354	6,338
To adjusting Entry on account of Payments made last Year out of } Vote 10, Section II., for Sets of Boilers received but not taken on } charge by the Storekeeper, the same being charged to the respec- } tive ships at the Admiralty - - - - -	354	20,163
To Value of Land on 21st March 1874 - - - - -	676	89,800
To Value of Buildings on 21st March 1874 - - - - -	676	2,446,952
To Value of Machinery on 21st March 1874 - - - - -	676	303,395
To Value of Stock on 21st March 1874 - - - - -	685	734,815
TOTAL - - - - - £.		4,307,629

* To meet the Estimated Current Charge for Deferred Annuities, equal to seven per cent. on the Salaries to Dockyard Officers, and on the Total Wages paid in the Year to Established Workmen on account of the prospect of Pensions on their Retirement; *see* Paper from the Actuary of the National Debt, page viii* of Parliamentary Paper, No. 454, of Session 1867.

1.

A C C O U N T S.

AND FACTORY.

other DOCKYARD TRANSACTIONS in Financial Year 1874 75.

Accounts (Nos. 2 to 11).

Cr.

	Page.	£.
By Expenditure under the following Heads, as per Detailed Ship Account, viz. :—		
Ships Building and Completing for Sea Service - - -	410	75,527
Maintaining Ships in Commission - - - - -	410	116,146
Maintaining, Repairing, &c. Ships in the Reserves - -	411	310,039
Hulks Repairing, &c. - - - - -	411	847
Steam Tugs, Yard Craft, Coal Depôts, &c., Building, Fitting, } Refitting, &c. - - - - -	411	23,872
*Ships and Vessels breaking up - - - - -	411	4,473
£.	411	521,958
By Coals and Wages of Coaling Steam Ships - - - - -	424	18,373
By Value of Materials issued to Contractors for Re-manufacture -	356	447
By Net Expenditure for Harbour and Dockyard National Services -	416	44,837
By Net Charge to Depreciation Account - - - - -	418	1,486
By Net Expenditure for Services other than those pertaining to } Dockyards - - - - -	419	29,463
By Issues to other Yards, including Cost of Shipment - -	423	87,044
By Payments to Exchequer of Proceeds of Sale of Old Stores, &c. -	355	14,755
By adjusting Entry for Stores paid for in the Year, but taken on } charge and included in Value of Stock in the preceding Year -	355	6,778
By Value of Land on 20th March 1875 - - - - -	676	89,800
By Value of Buildings on 20th March 1875 - - - - -	676	2,426,272
By Value of Machinery on 20th March 1875 - - - - -	676	312,883
By Value of Stock on 20th March 1875 - - - - -	685	753,533
TOTAL - - - £.		4,307,629

* The Figures in *Italics* show the Amount of Net Credit for Stores, &c. returned.

H. WALKER,
Accountant General of the Navy,
and Comptroller of Navy Pay.

DEVONPORT DOCKYARD

No.

Dr.

INCOME

To BALANCE ACCOUNT (p. 424) :

For Amounts which have come in course of Payment, in the Financial Year, under the following Votes of the Naval Estimates appertaining to Devonport Dockyard and Factory, as per Statement of the Surpluses and Deficits viz. :—

VOTE No. 6:

	£.
Salaries, &c. - - - - -	27,958
Rents, Rates, Taxes, and Water - - - - -	809
Lighting with Gas - - - - -	1,563
Contingencies - - - - -	1,000
Wages to Artificers, &c. - - - - -	249,211
Wages, Yard Service Afloat - - - - -	9,082
Hire of Teams - - - - -	2,039
Wages of Police Force - - - - -	7,482
Extra Pay to Artificers of the Fleet - - - - -	62

299,206

VOTE No. 10, Section I.:

Timber, Masts, Deals, &c. - - - - -	42,347
Metal and Metal Articles, &c. - - - - -	58,151
Coals and other Fuel - - - - -	33,044
Hemp, Canvas, &c. - - - - -	78,220
Paint Materials, Oil, Pitch, &c. - - - - -	40,645
Freight and Sundry Expenses connected with Naval Stores - - - - -	945
Purchases by Officers, &c. - - - - -	19

253,671

VOTE No. 10, Section II.:

Payments for Marine Engines, &c., delivered at Devonport Yard, not included in the Stock Valuation Account, being charged in the Books at the Admiralty to the Ships for which the Machinery was purchased - - - - -	40,587
Payments on account of Experiments at Devonport (for Details, see page 695) - - - - -	16
Payments for Breaking up Ships - - - - -	1,378

41,981

VOTE No. 11:

New Works, &c.—Land, Buildings, Docks, &c., viz. :—	
Additions - - - - -	3,830
Repairs, Replacements, &c. - - - - -	7,976
	£.
Dredging not in connection with Dockyard - - - - -	3,550
Contingencies (Works, and Repairs) - - - - -	1,145
Ditto (Machinery) - - - - -	45
Temporary Superintendence, &c. of Engineering and Architectural Works and Repairs - - - - -	776
	5,516
New Works—Machinery:	
Additions - - - - -	9,488
Repairs, Replacements, &c. - - - - -	10,086

37,896

632,754

Vote 16.—For Estimated Current Charge for Deferred Annuities, equal to 7 per cent. on the Salaries to Dockyard Officers, and on the Total Wages paid in the Year to Established Workmen, on account of the prospect of Pensions on their Retirement; see Paper from the Actuary of the National Debt, page viii* of Parliamentary Paper, No. 454, of Session 1867 - - - - -

10,229

For adjusting Entry, principally consisting of the Value of Stores paid for by other Departments, &c., and consequently not appearing as a final Financial Charge to Vote 10, Sect. I. - - - - -

14,350

Carried forward - - - £.

657,333

AND FACTORY.

2.

ACCOUNT.

Cr.

By SHIPS (p. 357):

For Amount charged direct, viz.:—

Wages to Artificers, &c., including Wages, Yard Service Afloat, Hire of Teams, and Extra Pay to Artificers of the Fleet - - - - -	165,446
Payments for Marine Engines, &c. delivered at Devonport Yard, not included in the Stock Valuation Account, being charged in Books at the Admiralty to the Ships for which the Machinery was purchased - -	40,587
Payments made in 1873-74 on account of several sets of Boilers delivered at Devonport Yard, not included in the Stock Valuation Account, being charged at the Admiralty to the ships for which they were purchased -	20,163
Payments for Breaking up Ships - - - - -	1,378

227,574

By CAPITAL ACCOUNT (p. 356):

For Value of Stores taken on Charge during the Year, as received from Contractors	266,636
For - ditto - as returned from Ships - - - - -	115,834
For - ditto - from Coaling Purposes - - - - -	360
For - ditto - of Coals for Steaming purposes, as returned from Ships -	387
For - ditto - as returned from Services incidental to Ship Building, Equipping, &c. - - - - -	4,353
For - ditto - as returned from Harbour and Dockyard National Services -	450
For - ditto - ditto from Depreciation and Appreciation of Stock, including increase in the Value of Stock on Revaluation -	113,038
For Value of Stores taken on charge during the Year, as received from other than Dockyard Services - - - - -	4,941
For - ditto - from Conversions - - - - -	275,982
For - ditto - from other Yards - - - - -	42,830
For Additions to Building, Docks, &c. - - - - -	3,830
For Additions to Machinery - - - - -	9,488

824,811

13,318

By DOCKYARD CHARGES INCIDENTAL TO SHIP BUILDING, EQUIPPING, &c. (p. 412):

For Amount charged on account of the undermentioned Services, viz.:—

Salaries, &c. - - - - -	15,567
Rents, Rates, Taxes, and Water - - - - -	809
Lighting with Gas - - - - -	1,563
Contingencies - - - - -	1,000
Wages to Artificers, including Hire of Teams, Wages, Yard Service Afloat, and Extra Pay to Artificers of the Fleet - - - - -	40,908
Wages, Police Force - - - - -	3,741
Freight and Sundry Expenses connected with Naval Stores - - - - -	945
Estimated Current Charge for Deferred Annuities on account of Pensions to Dockyard Officers and Established Workmen - - - - -	9,440
Repairs, Replacement, &c. of Buildings, Docks, &c. - - - - -	7,976
Contingencies (Works, and Repairs) - - - - -	1,145
Ditto (Machinery) - - - - -	45
Repairs, Replacements, &c. of Machinery - - - - -	11,086

94,225

Carried forward - - - £. 1,159,928

Dr.		DEVONPORT DOCKYARD AND FACTORY.			
				£.	
		Brought forward	- - -	657,333	
To BALANCE ACCOUNT (p. 424):					
For Amount paid by Cashiers of Her Majesty's Dockyards to Artificers, &c., hired for performance of Work other than that relating to Dockyard Services, and charged direct to those Services in the Admiralty Ledger, and not appearing as a Charge to Vote No. 6 in the Statement of Surpluses and Deficits, viz.:—					
				£.	
	Other Naval Votes not relating to Dockyard Services	- - - - -	-	4,512	
	Other Departments of Government	- - - - -	-	9	
	Foreign Governments	- - - - -	-	275	
	Private Individuals	- - - - -	-	457	
					5,253
For adjusting entry on account of the Value of Materials taken on charge by the Storekeeper, and debited to Stock, up to the last day of the Financial Year, but not paid for in the Year					
					6,338
For adjusting entry on account of Payments made last year out of Vote 10, Section II., for sets of Boilers received but not taken on charge by the Storekeeper, the same being charged to the respective ships at the Admiralty					
					20,163
To SHIPS (p. 357):					
	For Value of Materials returned into Store	- - - - -	-		115,834
To CAPITAL ACCOUNT (p. 356):					
				£.	
	For Value of Materials returned into Store from Coaling purposes	- - -	-	360	
	For Value of Coals, &c. for Steaming purposes, as returned from Ships	- - -	-	387	
					747
To DOCKYARD CHARGES INCIDENTAL TO SHIP BUILDING, EQUIPPING, &c. (p. 413):					
	For Value of Materials returned into Store	- - - - -	-		4,353
To HARBOUR AND DOCKYARD NATIONAL CHARGES (p. 416):					
	For Value of Materials returned into Store	- - - - -	-		450
To DEPRECIATION AND APPRECIATION ACCOUNT (p. 418):					
	For Value of Stores returned to Stock after Survey:			£.	£ ⁹⁰
	Timber	- - - - -	-	397	
	Stores	- - - - -	-	27,135	
	For Increase in the Value of Stock on Annual Re-valuation:				
	Timber	- - - - -	-	—	
	Stores	- - - - -	-	76,652	
	For Approximate Value of Stock found Surplus on Continuous Survey:				
	Timber	- - - - -	-	2,775	
	Stores	- - - - -	-	6,057	
	For Value of Lost Articles recovered by the Police, &c.	- - -	-	22	
					113,038
	For Proceeds of Sale (Cash not shown in Stock Valuation Account):				
	Timber	- - - - -	-	3,111	
	Stores	- - - - -	-	11,644	
					14,755
					127,793
To OTHER THAN DOCKYARD SERVICES (p. 419):					
	For Value of Materials returned into Store	- - - - -	-		4,941
To CONVERSIONS (p. 421):					
				£.	
	For Value of Manufactured Produce returned into Store	- - - - -	-	247,000	
	For Value of unconsumed Material and Work in hand at the end of the Year	-	-	28,982	
					275,982
To OTHER YARDS (p. 423):					
	For Value of Stores received from other Yards	- - - - -	-		42,830
				£.	1,262,017

No. 2.—INCOME ACCOUNT—*continued*.

Cr.

Brought forward - - -		£.	1,159,928
By HARBOUR AND DOCKYARD NATIONAL CHARGES (p. 416):			
For Amount charged on account of the undermentioned Services, viz.:—		£.	
Salaries, &c. - - - - -		12,391	
Wages to Artificers, &c., including Wages, Yard Service Afloat, Hire of Teams, and Extra Pay to Artificers of the Fleet - - - - -		19,304	
Wages, Police Force - - - - -		3,741	
Dredging Harbour, not in connection with Dockyard - - - - -		3,550	
Experimental Purposes (for Details, <i>see</i> p. 695) - - - - -		16	
Temporary Superintendence, &c. of Engineering and Architectural Works and Repairs - - - - -		776	
Estimated Current Charge for Deferred Annuities on account of Pensions to Dockyard Officers - - - - -		789	
			40,567
By OTHER THAN DOCKYARD SERVICES (p. 419):			
For Expenditure during the Year, viz.:—			
Wages to Artificers, &c., not chargeable to Vote 6 - - - - -		5,253	
Ditto - ditto - charged to Vote 6, Sub-head E. - - - - -		245	
			5,498
By CONVERSIONS (p. 421):			
For Expenditure during the Year, viz.:—			
Wages to Artificers, &c., including Hire of Teams - - - - -			30,803
By BALANCE ACCOUNT (p. 424):			
For adjusting entry on account of the Value of Material taken on charge by Store-keeper prior to this Financial Year, but paid for in this Year - - - - -		6,778	
For Wages, including Wages of Crews of Coal Hulks, paid for issuing Coals to Ships for Steaming Purposes - - - - -		3,688	
For Payments to Exchequer of Proceeds of Sale of Old Stores, &c. - - - - -		14,755	
			25,221
		£.	1,262,017

DEVONPORT DOCKYARD AND FACTORY.

No. 3.

CAPITAL ACCOUNT.

Dr.

Cr.

To BALANCE ACCOUNT (p. 424) :		£.	£.	Page of Detailed Statement.	£.
For Balance from last Year's Account, viz. :—					
Value of Land	- - - - -	89,800		676	
Ditto Buildings	- - - - -	2,446,952		676	
Ditto Machinery	- - - - -	303,395		676	
Ditto Stock	- - - - -	734,815		685	
			3,574,962		
To INCOME ACCOUNT (p. 353) :					
For Value of Stores taken on charge during the Year, as received from Contractors		266,636			
For ditto from Ships	- - - - -	115,834			
For ditto from Coaling purposes	- - - - -	360			
For ditto of Coals for Steaming purposes, as returned from Ships	- - - - -	387			
For ditto of Stores from Services incidental to Ship Building, Equipping, &c.	- - - - -	4,353			
For ditto from Harbour and Dockyard National Services	- - - - -	450			
For ditto from Depreciation and Appreciation of Stock (including increase in the Value of the Stock on Revaluation)	- - - - -	113,038			
For Value of Stores taken on charge during the Year, as received from other than Dockyard Services	- - - - -	4,941			
For ditto from Conversions	- - - - -	275,982			
For ditto from other Yards	- - - - -	42,830			
For Additions to Buildings, Docks, &c.	- - - - -	3,830			
For - ditto - Machinery	- - - - -	9,488			
			13,318		
By SHIPS (p. 357) :—					
For Value of the Gross Issues of Stores					
By DOCKYARD CHARGES INCIDENTAL to SHIP BUILDING, EQUIPPING, &c. (p. 412) :—					
For Value of the Gross Issues of Stores					
By HARBOUR and DOCKYARD NATIONAL CHARGES (p. 416) :—					
For Value of the Gross Issues of Stores					
By DEPRECIATION and APPRECIATION ACCOUNT (p. 418) :—					
For Value of Stores drawn from Stock on Survey :					
Timber	- - - - -	1,427			
Stores	- - - - -	31,196			
For Decrease in the Value of Stock on Annual Re-valuation :					
Timber	- - - - -	-			
Stores	- - - - -	51,376			
For Approximate Value of Stock found Deficient on Continuous Survey :					
Timber	- - - - -	1,397			
Stores	- - - - -	4,865			
For Value of Stores drawn from Stock on Sale :					
Timber	- - - - -	4,205			
Stores	- - - - -	10,303			
For Deterioration in the Value of Plant (Buildings)			24,510		
By OTHER THAN DOCKYARD SERVICES (p. 419) :—					
For Value of the Gross Issues of Stores					
By CONVERSIONS (p. 421) :					
For Value of the Gross Issues of Stores					
By OTHER YARDS (p. 423) :					
For Value of the Gross Issues of Stores					
By BALANCE ACCOUNT (p. 424) :					
For Value of Coals issued to Ships for Steaming purposes			14,029		
" Value of Stores issued for Coaling purposes	- - - - -		1,403		
" Value of Materials issued to Contractors for Remanufacture	- - - - -		447		
For Balance to next Year's Accounts, viz. :—					
Value of Land	- - - - -		89,800	676	
Ditto Buildings	- - - - -		2,426,272	676	
Ditto Machinery	- - - - -		312,883	676	
Ditto Stock	- - - - -		753,533	685	
			3,582,488		
			4,413,091		

DEVONPORT DOCKYARD AND FACTORY.

No. 4.

SHIPS.

Cr.

Dr.

To INCOME ACCOUNT (p. 353):—

For Amounts charged direct to Ships, as per Detailed Account, viz.:—

Wages to Artificers, &c., including Wages, Yard Service Afloat, Hire of Teams, and Extra Pay to Artificers of the Fleet

Payments for Marine Engines, &c., delivered at Devonport Yard, not included in the Stock Valuation Account, being charged in the Books of the Admiralty to the Ships for which the Machinery was purchased

Payments made in 1873-4 on account of several Sets of Boilers delivered at Devonport Yard, not included in the Stock Valuation Account, being charged at the Admiralty to the Ships for which they were purchased

Payments for Breaking up Ships

To CAPITAL ACCOUNT (p. 356):—

For Value of Gross Issues of Stores

To DOCKYARD CHARGES INCIDENTAL TO SHIP BUILDING, EQUIPPING, &c. (pp. 413 and 415):—

For Amount of General Expenditure charged *pro rata* to the Sub-Heads of Ships Building, Repairing, &c., as follows:—

	Direct Charges.	Amount of Indirect Charges.	Rate per Cent.
On Labour	£. 165,446	£. 96,094	£. 58·08
On Materials issued	-	-	-
On " returned	-	17,228	4·18
On Tonnage	-	677	-
	£. 165,446	£. 113,999	
		113,999	
		637,792	£.

BY INCOME ACCOUNT (p. 354):—

£.

115,834

For Value of Materials returned into Store

By BALANCE ACCOUNT (p. 424):—

£.

521,958

For Net Expenditure during the Year

£.

637,792

DEVONPORT DOCKYARD AND FACTORY.—No. 4.—SHIPS—continued.

DETAILED SHIP ACCOUNT, showing the Amount of WAGES Paid, the Value of MATERIALS Issued and Returned, and the Share of INCIDENTAL and ESTABLISHMENT CHARGES on account of each Sub-head of Ships Building, Repairing, &c., during the Year ended 20th March 1875.

No. 1.—SHIPS BUILDING AND COMPLETING FOR SEA SERVICE.

Note.—The Figures printed in *Italics* in the Money Column show the Amount of Net Credits for Stores, &c., returned.

NAME OF SHIP.	PERIODS within which the Expense was incurred.		Tonnage.	Horse Power.	Number of Guns.	Detailed Head of Charge.	Value of Materials Issued.	Wages.	Payments to Con- tractors,&c. Made and Allowed at Admiralty.	Gross Total, excluding Incidental and Estab- lish- ment Charges.	Value of Materials Returned.	Net Total, Incidental and Estab- lish- ment Charges.	Incidental and Estab- lishment Charges.	Total Expense, inclusive of Incidental and Estab- lishment Charges.	REMARKS.					
	From	To																		
IRON CLADS BUILT BY CONTRACT:																				
CYCLOPS -	-	6 April 1874	2,107 (3,430)	250 (1,660)	4	Hull - - - Rigging and Stores - - Total - - - £.	£. - 69 69	£. - 1 1	£. - - -	£. - 70 70	£. 98 98	£. 98 28	-	-	-	Supplies, &c., in connection with completing the ship for sea.				
GORGON	-	2 April "	2,107 (3,430)	250 (1,670)	4	Hull - - - Rigging and Stores - - Total - - - £.	£. - 286 286	£. - 1 1	£. - - -	£. - 287 287	£. 105 105	£. 105 182	-	-	-	Completing Turret, gear, &c.				
HECATE -	-	6 April "	2,107 (3,430)	250 (1,755)	4	Engineers' Stores - - Hull - - - Rigging and Stores - - Total - - - £.	£. - 44 - 88 88	£. - - 31	£. - - -	£. 44 30 89 119	£. - - 89 89	£. 44 59 89 30	-	-	-	Supplies, &c., in connection with completing the ship for sea.				
HYDRA	-	23 Mar. "	2,107 (3,430)	250 (1,472)	4	Engineers' Stores - - Hull - - - Rigging and Stores - - TOTAL - - - £.	£. 48 43 443 486	£. - - 196 199	£. - - - - -	£. 48 239 446 685	£. - - 408 408	£. 48 169 446 277	-	-	-	ditto - ditto.				
															See Abstract (p. 410).					
															125	125	-	-	-	

IRON CLADS BUILT IN HER MAJESTY'S DOCKYARDS.	DREADNOUGHT	4	1,000 (5,000)	1 Mar. 1875	5,030 (10,950)	20 Mar. 1875	Hull - - - -	1	18	-	19	1	18	-	-	-	-	-	Work in connection with launching the ship at Pembroke Yard.
		-	-	-	-	-	{ Masts and Yards - Rigging and Stores -	236 34	9	-	245 34	40	109 34	-	-	-	-	-	Preparing mast gear, &c. This ship is Building at Pembroke Yard.
		-	-	-	-	-	Total - - - - £.	270	9	-	279	46	233	-	-	-	-	-	
		-	-	-	-	-	TOTAL - - - - £.	271	27	-	298	47	251	-	-	-	-	-	See Abstract (p. 410).
NOT IRON CLAD:	ARAB	3	(570)	23 Mar. 1874	(650)	20 Mar. 1875	{ Hull - - - - Masts and Yards - Rigging and Stores -	1,211 1 1,271	169 1 168	-	1,380 1 1,437	271 - 230	1,109 1 1,207	-	-	-	-	-	Completing for sea after Building by Contract.
		-	-	-	-	-	Total - - - - £.	2,482	336	-	2,318	501	2,317	-	-	-	-	-	
		-	-	-	-	-	Engines and Engineers' Fittings, Engineers' Stores -	1 11	6 -	-	7 11	-	7 11	-	-	-	-	-	
		-	-	-	-	-	Total - - - - £.	12	6	-	18	-	18	-	-	-	-	-	
CONTEST	-	4	(515)	31 Mar. "	(440)	20 Mar. "	{ Hull - - - - Masts and Yards - Rigging and Stores -	750 778 1,508	272 114 386	-	1,002 892 1,894	215 249 464	787 643 1,430	-	-	-	-	-	ditto - ditto.
		-	-	-	-	-	Total - - - - £.	-	-	-	-	-	-	-	-	-	-	-	
		-	-	-	-	-	Engines and Engineers' Fittings, Engineers' Stores -	- 19	4 -	-	4 19	-	4 19	-	-	-	-	-	
		-	-	-	-	-	Total - - - - £.	19	4	-	23	-	23	-	-	-	-	-	
CYGNET	-	4	(437)	6 April "	(440)	20 Mar. "	{ Hull - - - - Masts and Yards - Rigging and Stores -	400 16 420	328 7 175	-	818 23 535	35 4 57	783 19 538	-	-	-	-	-	ditto - ditto.
		-	-	-	-	-	Total - - - - £.	926	510	-	1,436	96	1,340	-	-	-	-	-	
		-	-	-	-	-	Engines and Engineers' Fittings, Boilers and Engineers' Stores -	20 -	12 1	-	32 1	-	32 1	-	-	-	-	-	
		-	-	-	-	-	Total - - - - £.	58	13	-	71	-	71	-	-	-	-	-	

DEVONPORT DOCKYARD AND FACTORY.—No. 4.—DETAILED SHIP ACCOUNT—continued.

No. 1.—SHIPS BUILDING AND COMPLETING FOR SEA SERVICE—continued.

NAME OF SHIP.	Number of Guns.	Horse Power.	Tonnage.	PERIODS within which the Expense was incurred.		Detailed Head of Charge.	Value of Materials Issued.	Wages.	Payments to Con- tractors, &c. Made and Allowed at Admiralty.	Gross Total, excluding Incidental and Estab- lishment Charges.	Value of Materials Returned.	Net Total, excluding Incidental and Estab- lishment Charges.	Incidental and Estab- lishment Charges.	Total Expense, inclusive of Incidental and Estab- lishment Charges.	REMARKS.	
				From	To											
NOT IRON CLAD—continued.																
EGERIA - - -	4	120 (1,011)	727 (894)	23 Mar. 1874	2 Jan. 1875	Hull - - - Masts and Yards - Rigging and Stores - Total - - - £.	£. 1,433 115 2,093 3,641	£. 2,614 120 249 2,983	£. — — — —	£. 4,047 235 2,342 6,624	£. 431 64 75 570	£. 3,616 171 2,267 6,054	£.	£.	{ Completing for sea after Building at Pembroke Yard. * Balance on machinery.	
						Engines and Engineers' Fittings. Boilers and Engineers' Fittings. Engineers' Stores - Total - - - £.	14 27 72 113	34 15 — 49	200 * — — 200	248 42 72 362	— — 5 5	248 42 67 357	— — — —	— — — —		
						Hull - - - Rigging and Stores - Total - - - £.	682 544 1,226	295 119 414	— — —	977 663 1,640	188 251 439	789 412 1,201	— — —	— — —		
Express - - -	4	(438)	(440)	31 Mar. "	20 Mar. "	Engines and Engineers' Fittings. Engineers' Stores - Total - - - £.	— 5 5	6 — 6	— — —	6 5 11	— — —	6 5 11	— — —	— — —		Completing for sea after Building by Contract.
FANTOME - - -	4	120 (975)	727 (894)	- - -	- - -	Hull - - - Masts and Yards - Rigging and Stores - Total - - - £.	17 1,205 1,262 2,467	31 175 254 430	— — — —	48 1,380 1,516 2,897	— 313 225 538	48 1,067 1,291 2,359	— — — —	— — — —	Securing Boilers. Adjust- ment of accounts for 1873-74.	
LILY - - -	3	(570)	(620)	23 Mar. 1874	20 Mar. 1875	Engines and Engineers' Fittings. Engineers' Stores - Total - - - £.	1 11 12	5 — 5	— — —	6 11 17	— — —	6 11 17	— — —	— — —	Completing for Sea Service after Building by Con- tract.	

[illegible]

DEVONPORT DOCKYARD AND FACTORY.—No. 4.—DETAILED SHIP ACCOUNT—continued.

No. 1.—SHIPS BUILDING AND COMPLETING FOR SEA SERVICE.—continued.

NAME OF SHIP.	Number of Guns.	Horse Power.	Tonnage.	PERIODS within which the Expense was incurred.		Detailed Head of Charge.	Value of Materials Issued.	Wages.	Payments to Con- tractors, &c. Made and Allowed at Admiralty.	Gross Total, excluding Incidental and Establish- ment Charges.	Value of Materials Returned.	Net Total, excluding Incidental and Establish- ment Charges.	Incidental and Estab- lishment Charges.	Total Expense, inclusive of Incidental and Estab- lishment Charges.	REMARKS.	
				From	To											
NOT IRON CLAD—continued.																
STEAM CUTTER, No. 33 (Attached to "Lon- don.")	-	2	5	8 June 1874	4 July 1874	Hull - - - - Engines and Engineers' Fittings. Engineers' Stores - Total - - - £.	£. 3 - 15 15	£. 6 2 - 2	£. - - - -	£. 9 2 15 17	£. - - - -	£. 9 2 15 17	- - - -	- - - -	Fitting light boxes, &c., and supplies, &c., to complete for sea.	
STEAM CUTTER, No. 35 (Attached to "Ege- ria.")	-	2	5	20 July "	14 Nov. "	Hull - - - - Engines and Engineers' Fittings. Engineers' Stores - Total - - - £.	2 - 1 1	8 3 - 3	- - - -	10 3 1 4	- - - -	10 3 1 4	- - - -	- - - -	Completing for sea service.	
STEAM CUTTER, No. 38 (Attached to "Dry- ad.")	-	2	5	31 July "	19 Sept. "	Hull - - - - Engines and Engineers' Fittings. Engineers' Stores - Total - - - £.	7 - 2 2	10 1 - 1	- - - -	17 1 2 3	3 - - -	14 1 2 3	- - - -	- - - -	Fitting light boxes, &c.	
STEAM CUTTER, No. 41 (Attached to "Si- rius.")	-	2	5	- On the 10th July 1874 -		Engineers' Stores - Hull - - - - Engines and Engineers' Fittings. Boilers and Engineers' Fittings. Total - - - £.	1 243 179 127 306	- 8 155 71 226	- - - - -	1 251 334 198 532	- 9 37 - 37	1 242 297 198 495	- - - -	- - - -	Supplies to complete for sea service.	
STEAM LAUNCH, No. 75	-	0	-	23 April 1874	20 Mar. 1875	Hull - - - - Engines and Engineers' Fittings. Boilers and Engineers' Fittings. Total - - - £.	243 179 127 306	8 155 71 226	- - - -	251 334 198 532	9 37 - 37	242 297 198 495	- - - -	- - - -	Value of boat, and fitting it with engines, &c., of Steam Launch No. 23 ; also fitting a new boiler.	
STEAM LAUNCH, No. 76	-	-	-	21 Dec. "	20 Mar. "	Hull - - - -	134	28	-	162	50	112	-	-	Building boat.	

STEAM LAUNCH, No. 77	13 Jan. 1875	20 Mar. "	Hull - - - -	53	4	—	57	32	25	- - ditto.
STEAM LAUNCH, No. 83 (Unappropriated.)	1 Feb. "	6 Feb. "	Boilers and Engineers' Fittings.	—	1	—	1	—	1	To be fitted with engines of Steam Launch No. 46.
STEAM PINNACE, No. 50 (Attached to "London.")	13 20 April 1874	27 June 1874	{ Hull - - - - Engines and Engineers' Fittings.	28 —	13 2	— —	41 2	4 —	37 2	Completing for Sea Service; fitting Rifle shield, &c.
STEAM PINNACE, No. 56 (Attached to "Black Prince.")	14 1 June "	20 Mar. 1875	Hull - - - -	18	34	—	52	1	51	Completing for Sea Service; fitting Torpedo outriggers, rifle shield, &c.
			{ Hull - - - - Masts and Yards - Rigging and Stores	19,595 1,869 11,944	15,934 575 1,923	— — —	35,520 2,444 13,270	4,116 118 1,951	31,413 2,326 12,019	
			TOTAL - - - £.	33,408	17,835	—	51,243	5,485	45,758	
			Engines and Engineers' Fittings.	223	284	15,750	16,257	37	10,220	See Abstract (p. 410).
			Boilers and Engineers' Fittings.	157	101	—	258	—	258	
			Enginers' Stores -	223	—	—	223	5	218	
			TOTAL - - - £.	603	385	15,750	16,738	42	16,696	

No. 2.—WEAR AND TEAR AND MAINTENANCE OF THE FLEET, IN COMMISSION AND IN RESERVE, including REPAIRS, RETITS, ALTERATIONS, WORKS rendered necessary by NEW ARMAMENTS, and the RENEWAL of WORN-OUT and PERISHABLE STORES, such as RIGGING, ROPE, SAILS, BLOCKS, &c.

IRON CLADS BUILT BY CONTRACT:					
IN COMMISSION:					
	23 Mar. 1874	23 May 1874			
Hull - - - -	-	-	554	670	-
Rigging and Stores -	-	-	2,019	141	-
Total - - - £.			2,573	811	-
Engines and Engineers' Fittings.			57	79	-
Boilers and Engineers' Fittings.			734	522	-
Engineers' Stores -			615	2	-
Total - - - £.			1,406	603	-
Hull - - - -			745	697	-
Masts and Yards -			60	18	-
Rigging and Stores -			1,698	66	-
Total - - - £.			2,503	781	-
Engines and Engineers' Fittings.			37	58	-
Boilers and Engineers' Fittings.			8	15	-
Engineers' Stores -			434	1	-
Total - - - £.			479	74	-
	2 June "	10 Dec. "			
AGINCOURT - -	28	1,350 (6,867)	6,631 (10,627)		

DEVONPORT DOCKYARD AND FACTORY.—No. 4.—DETAILED SHIP ACCOUNT—continued.

No. 2.—WEAR AND MAINTENANCE OF THE FLEET, IN COMMISSION AND IN RESERVE, including REPAIRS, REFITS, ALTERATIONS, &c.—continued.

NAME OF SHIP.	PERIODS within which the Expense was incurred.		Tonnage.	Horse Power.	Number of Guns.	Detailed Head of Charge.	Value of Materials Issued.	Wages.	Payments to Con- tractors, &c. Made and Allowed at Admiralty.	Gross Total, excluding Incidental and Estab- lishment Charges.	Value of Materials Returned.	Net Total, Incidental and Estab- lishment Charges.	Incidental and Estab- lishment Charges.	Total Expense, inclusive of Incidental and Estab- lishment Charges.	REMARKS.	
	From	To														
IRON CLADS BUILT BY CONTRACT—continued.																
IN COMMISSION—continued.																
AUDACIOUS -	-	14	800 (4,021)	3,774 (6,034)	26 Oct. 1874	5 Nov. 1874	Hull - - - Rigging and Stores -	£. 5 45	£. 6 —	£. — —	£. 11 45	£. — 3	£. 11 42	£. — —	£. — —	Casual repairs and sup- plies, &c.
						Total - - - £.	50	6	—	56	3	53	—	—	—	
						Engines and Engineers' Fittings.	6	3	—	9	—	9	—	—	—	
						Boilers and Engineers' Fittings.	15	4	—	19	—	19	—	—	—	
						Engineers' Stores -	154	—	—	154	—	154	—	—	—	
						Total - - - £.	175	7	—	182	—	182	—	—	—	
						Hull - - -	—	24	—	24	—	24	—	—	—	
						Masts and Yards -	—	15	—	15	—	15	—	—	—	
						Rigging and Stores -	1,060	30	—	1,090	5,544	4,434	—	—	—	
						Total - - - £.	1,060	69	—	1,129	5,500	4,431	—	—	—	Casual repairs and sup- plies, and stores, &c., returned on the Ship Paying off in May 1874.
BLACK PRINCE -	-	28	1,250 (5,772)	6,109 (9,137)	23 Mar. "	20 Mar. 1875	Engines and Engineers' Fittings.	151	35	—	186	16	170	—	—	
						Engineers' Stores -	11	—	—	11	1,467	4,456	—	—	—	
						Total - - - £.	162	35	—	197	1,483	4,286	—	—	—	
						Rigging and Stores -	328	—	—	328	—	328	—	—	—	Completing with Sea Stores.
						Engineers' Stores -	262	—	—	262	—	262	—	—	—	
						Hull - - -	24	2	—	26	2	24	—	—	—	
						Rigging and Stores -	878	15	—	893	15	878	—	—	—	
						Total - - - £.	902	17	—	919	17	902	—	—	—	Casual repairs and sup- plies, &c.
DEFENCE -	-	16	600 (2,537)	3,720 (6,070)	23 Mar. 1874	20 Mar. "	Engineers' Stores -	553	—	—	553	28	525	—	—	

GORGON	-	-	4	250 (4,670)	2,107 (3,430)	23 Mar. "	20 Mar. "	Hull - - - -	410	175	-	585	14	571	Casual repairs and supplies. Tender to "Cam-bridge."
								Rigging and Stores	259	9	-	268	19	249	
								Total - - - £.	669	184	-	853	33	820	
								Engineers' Stores -	156	-	-	156	4	152	
								Rigging and Stores	854	-	-	854	-	854	
HECATE	-	-	4	250 (4,755)	2,107 (3,430)	8 May "	3 Feb. "	Engineers' Stores -	318	-	-	318	-	318	Completing with Sea Stores.
								Rigging and Stores	-	-	-	-	-	-	
								Total - - - £.	-	-	-	-	17	47	
								Engineers' Stores -	364	-	-	364	21	343	
								Rigging and Stores	280	-	-	280	-	280	
HOTSPUR	-	-	3	600 (3,497)	2,637 (4,010)	- On the 23rd April 1874 -		Engineers' Stores -	34	-	-	34	-	34	Casual returns.
								Rigging and Stores	-	-	-	-	-	-	
								Total - - - £.	-	-	-	-	-	-	
								Engineers' Stores -	364	-	-	364	21	343	
								Rigging and Stores	280	-	-	280	-	280	
HYDRA	-	-	4	250 (4,472)	2,107 (3,430)	8 Jan. 1875	19 Mar. 1875	Hull - - - -	825	905	-	1,730	118	1,612	Completing with Sea Stores.
								Masts and Yards -	2	-	-	2	-	2	
								Rigging and Stores	1,351	87	-	1,438	407	1,031	
								Total - - - £.	2,178	992	-	3,170	525	2,645	
								Engineers' Stores -	34	-	-	34	-	34	
INVINCIBLE	-	-	14	800 (4,832)	3,774 (6,034)	- On the 31st Dec. 1874 -		Engineers' Stores	8	-	-	8	-	-	Casual supplies.
								Rigging and Stores	-	-	-	-	-	-	
								Total - - - £.	-	-	-	-	-	-	
								Engineers' Stores -	8	-	-	8	-	-	
								Rigging and Stores	85	174	-	259	164	95	
NORTHUMBERLAND	-	-	23	1,350 (6,558)	6,621 (10,584)	23 Mar. 1874	23 May 1874	Hull - - - -	931	-	-	931	266	665	Docking, Casual repairs and supplies, &c. Altering fittings of Brown and Harfield's Deck Stoppers.
								Masts and Yards -	8	30	-	38	-	38	
								Rigging and Stores	85	174	-	259	164	95	
								Total - - - £.	1,024	204	-	1,228	430	798	
								Engineers' Stores -	34	-	-	34	-	34	
						1 July "	9 Dec. "	Hull - - - -	471	447	-	918	107	811	Casual repairs and supplies, &c.
								Masts and Yard -	92	86	-	128	9	119	
								Rigging and Stores	1,047	25	-	1,072	277	795	
								Total - - - £.	1,610	508	-	2,118	393	1,725	
								Engineers' Stores -	34	-	-	34	-	34	
								Engineers' Stores	14	68	-	82	-	82	
								Rigging and Stores	51	118	-	169	30	139	
								Total - - - £.	392	-	-	392	12	380	
								Engineers' Stores -	457	186	-	643	42	601	
								Total - - - £.	457	186	-	643	42	601	

DEVONPORT DOCKYARD AND FACTORY.—No. 4.—DETAILED SHIP ACCOUNT—continued.

No. 4.—WEAR AND TEAR AND MAINTENANCE OF THE FLEET, IN COMMISSION AND IN RESERVE, including REPAIRS, RETIRS, ALTERATIONS, &c.—continued.

NAME OF SHIP.	Number of Guns.	Horse Power.	Tonnage.	PERIODS within which the Expense was incurred.		Detailed Head of Charge.	Value of Materials Issued.	Wages.	Payments to Con- tractors, &c. Made and Allowed at Admiralty.	Gross Total, excluding Incidental and Estab- lishment Charges.	Value of Materials Returned.	Net Total, excluding Incidental and Estab- lishment Charges.	Incidental and Estab- lishment Charges.	Total Expense, inclusive of Incidental and Estab- lishment Charges.	REMARKS.
				From	To										
IRON CLADS BUILT BY CONTRACT—continued.															
IN COMMISSION—continued.															
PRINCE ALBERT	4	500 (2,428)	2,529 (3,905)	26 Mar. 1874	8 Jan. 1875	Rigging and Stores	£. 83	—	—	£. 83	£. 11	£. 72	—	—	Casual supplies, &c.
						Hull	1,214	942	—	2,156	248	1,903			
						Masts and Yards	17	9	—	26	—	26			
						Rigging and Stores	517	27	—	544	239	305			
						Total	1,748	978	—	2,726	487	2,239			
				23 Mar.	4 Aug. 1874	Engines and Engineers' Fittings.	13	43	—	56	3	53			Casual repairs and supplies, &c.
						Boilers and Engineers' Fittings.	16	137	—	153	—	153			
						Engineers' Stores	140	—	—	140	10	130			
						Total	169	180	—	349	13	336			
RESISTANCE	16	600 (2,428)	3,710 (6,070)			Hull	408	361	—	769	30	739			
						Masts and Yards	33	12	—	45	7	38			
						Rigging and Stores	946	61	—	1,007	177	830			
						Total	1,387	434	—	1,821	214	1,607			
				21 Sept.	11 Feb. 1875	Engines and Engineers' Fittings.	25	53	—	78	—	78			ditto.
						Boilers and Engineers' Fittings.	51	96	—	147	5	142			
						Engineers' Stores	265	2	—	267	35	232			
						Total	341	151	—	492	40	452			
SWIFTSURE	14	800 (4,915)	3,893 (6,660)	- On the 4th May 1874	-	Rigging and Stores	68	—	—	68	—	68			Casual supplies.

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DEVONPORT DOCKYARD AND FACTORY.—No. 4.—DETAILED SHIP ACCOUNT—continued.

No. 2.—WEAR AND TEAR AND MAINTENANCE OF THE FLEET, IN COMMISSION AND IN RESERVE, including REPAIRS, REFITS, ALTERATIONS, &c.—continued.

NAME OF SHIP.	PERIODS within which the Expense was incurred.		Tonnage.	Horse Power.	Number of Guns.	Detailed Head of Charge.	Value of Materials Issued.	Wages.	Payments to Con- tractors,&c. Made and Allowed at Admiralty.	Gross Total, excluding Incidental and Establish- ment Charges.	Value of Materials Returned.	Net Total, excluding Incidental and Establish- ment Charges.	Incidental and Estab- lishment Charges.	Total Expense, inclusive of Incidental and Estab- lishment Charges.	REMARKS.	
	From	To														
IRON CLADS BUILT IN HER MAJESTY'S DOCKYARDS:																
IN COMMISSION:																
ACHILLES	-	16	1,250 (5,722)	6,121 (9,694)	23 Mar. 1874	20 Mar. 1875	Rigging and Stores	£. 2,946	£. —	£. 2,980	£. 3,289	£. 319	£.	£.		{ Stores supplied and re- turned whilst Ship was repairing and refitting for Sea.
							Engines and Engineers' Fittings.	19	—	29	12	17	—	—		
							Engineers' Stores -	1,674	—	1,674	22	1,652	—	—		
							Total - - - £.	1,693	—	1,703	34	1,669	—	—		
CALEDONIA	-	24	1,000 (4,538)	4,125 (6,832)	6 April "	17 Mar. "	Rigging and Stores	1,031	—	1,047	250	797	—	—		Casual supplies, &c.
							Engineers' Stores -	227	—	227	20	207	—	—		
LORD WARDEN	-	18	1,000 (6,706)	4,080 (7,812)	-	On the 4th May 1874 -	Rigging and Stores	68	—	68	—	68	—	—		Casual supplies.
OCEAN	-	24	1,000 (4,244)	4,047 (6,832)	-	On the 16th Jan. 1875 -	Rigging and Stores	—	—	—	333	333	—	—		Anchors returned after survey.
ROYAL ALFRED	-	18	800 (3,734)	4,068 (6,707)	15 April 1874	11 Jan. 1875	Rigging and Stores	437	—	437	97	340	—	—		Casual supplies while tem- porarily employed as Ship of 1st Reserve.
							Engineers' Stores -	143	—	143	17	126	—	—		
TOTAL							4,482	50	—	4,532	3,979	553				See Abstract (p. 410).
							19	10	—	29	12	17				
							2,044	—	—	2,044	59	1,985				
							2,063	10	—	2,073	71	2,002				

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0.1. NOT IRON CLAD:
IN COMMISSION: 1

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DEVONPORT DOCKYARD AND FACTORY.—No. 4.—DETAILED SHIP ACCOUNT—continued.

No. 2.—WEAR AND TEAR AND MAINTENANCE OF THE FLEET, IN COMMISSION AND IN RESERVE, including REPAIRS, REFITS, ALTERATIONS, &c.—continued.

NAME OF SHIP.	PERIODS within which the Expense was incurred.		Tonnage.	Horse Power.	Number of Guns.	Detailed Head of Charge.	Value of Materials Issued.	Wages.	Payments to Contractors, &c. Made and Allowed at Admiralty.	Gross Total, excluding incidental and Establishment Charges.	Value of Materials Returned.	Net Total, excluding incidental and Establishment Charges.	Incidental and Establishment Charges.	Total Expense, inclusive of incidental and Establishment Charges.	REMARKS.	
	From	To														
NOT IRON CLAD—continued.																
IN COMMISSION—continued.																
BRITANNIA	-	-	3,994 (6,027)	-	-	{ Hull - - - Rigging and Stores - Total - - - £.	£. 893 1,460 2,353	£. 312 40 352	£. - - -	£. 1,205 1,500 2,705	£. 197 128 325	£. 1,008 1,372 2,380	£.	£.	Casual repairs and supplies; also additional ventilation to Ship, &c. Training Ship for Naval Cadets.	
BRITOMART	-	15 June "	270 (350)	60 (277)	2	Rigging and Stores	1	4	-	5	215	210	-	-	Chains, cables, anchors, &c. returned after Survey, cleaning, &c.	
BRUISER	-	-	268 (330)	60 (158)	2	{ Hull - - - Rigging and Stores - Total - - - £.	7 53 60	14 3 17	- - -	21 56 77	- 215 215	21 159 493	-	-	{ Casual repairs and supplies, &c.; Tender to "Cambridge," Gunnery Ship.	
	-	11 May "				Engines and Engineers' Fittings.	39	38	77	-	77	-	77	77		-
	-	20 Mar "				Engineers' Stores -	22	-	22	2	-	22	2	20		-
BULLFINCH	-	27 July "	664 (774)	160 (985)	3	{ Hull - - - Rigging and Stores - Total - - - £.	9 2 11	4 - 4	- - -	13 2 15	- - -	13 2 15	-	-	Casual repairs, &c.	
	-	10 Aug. 1874				Engines' Stores -	61	38	99	2	97	-	-	-	-	
BUZZARD	-	6 May "	980 (-)	300 (853)	2	{ Rigging and Stores - Engineers' Stores -	- -	- -	- -	- -	302 17	302 47	-	-	{ Chain cables, &c., from last Commission, returned after Survey, cleaning, &c.	
	-	15 Mar. 1875				Hull - - - Masts and Yards - Rigging and Stores - Total - - - £.	- - 1 1	13 44 17 74	13 44 18 75	- 69 2,453 2,522	13 25 2,435 2,447	-	-			
CADMUS	-	9 Nov. "	1,466 (2,767)	400 (1,534)	17	Engineers' Stores -	-	1	-	1	312	311	-	-	Stores, &c., returned on ship Paying off in November 1874.	

CAMBRIDGE	29	500 (2,032)	3,101 (4,974)	23 Mar. "	20 Mar. "	Hull - Rigging and Stores	Total - - - £.	2,913 (2,664)	113 189	2,339 2,803	325 358	2,014 2,445	Casual repairs, supplies, &c., and alteration of Gun fittings. Gunery Ship, Devonport.
CHANCE - (Coast Guard Cruiser.)	-	-	60	15 April "	12 Feb. "	{ Hull - Rigging and Stores	Total - - - £.	132 118	- 6 6	132 124	71 12	61 112	Casual supplies, returns, &c.
CHERUB -	2	60 (226)	268 (330)	- On the 21st July 1874 -		Engineers' Stores -		7	-	7	-	7	Casual supplies.
CONTEST -	4	- (515)	- (440)	26 Mar. 1874	20 Mar. 1875	{ Rigging and Stores Engineers' Stores		36 81	-	36 81	-	36 81	Supplies of Sea Stores, while completing for Sea Service.
CROMER -	2	60 (245)	268 (326)	13 April "	8 Mar. "	{ Hull - Masts and Yards - Rigging and Stores	Total - - - £.	32 1 212	29 3 4	61 4 216	11 - 53	50 4 163	Casual repairs, supplies, &c.
CYGNET -	4	- (457)	- (440)	29 Oct. "	3 Feb. "	{ Boilers and Engineers' Fittings. Engineers' Stores	Total - - - £.	2 57 59	2 - 2	4 57 61	- 5 5	4 52 56	Supplies of Sea Stores, while completing for Sea.
DÆDALUS -	13	-	1,082 (4,447)	21 April "	13 Feb. "	{ Hull - Rigging and Stores	Total - - - £.	5 174 179	2 1 3	7 175 182	- - -	7 175 182	Gunnery work. Casual supplies, &c.
DAPHNE -	5	300 (4,927)	1,081 (4,574)	- On the 16th Jan. 1875 -		Rigging and Stores		-	-	-	112	112	Anchors from last Com- mission returned after Survey.
DAPPER -	1	60 (272)	234 (284)	7 April 1874	20 Mar. 1875	{ Hull - Rigging and Stores	Total - - - £.	22 75 97	9 38 47	31 113 144	- 17 17	31 96 127	Casual repairs, supplies, &c.

DEVONPORT DOCKYARD AND FACTORY.—No. 4.—DETAILED SHIP ACCOUNT—continued.

No. 2.—WEAR AND TEAR AND MAINTENANCE OF THE FLEET, IN COMMISSION AND IN RESERVE, including REPAIRS, REFITS, ALTERATIONS, &c.—continued.

NAME OF SHIP.	Number of Guns.	Horse Power.	Tonnage.	PERIODS within which the Expense was incurred.		Detailed Head of Charge.	Value of Materials Issued.	Wages.	Payments to Con- tractors, &c. Made and Allowed at Admiralty.	Gross Total, excluding Incidental and Establish- ment Charges.	Value of Materials Returned.	Net Total, excluding Incidental and Establish- ment Charges.	Incidental and Establishment Charges.	Total Expense, inclusive of Incidental and Establishment Charges.	REMARKS.	
				From	To											
NOT IRON CLAD—continued. IN COMMISSION—continued.																
DORIS	- - - 24	800 (3,005)	2,483 (3,503)	24 Aug. 1874	20 Mar. 1875	Hull - - - Masts and Yards - Rigging and Stores - Total - - - £.	£. 1,403 79 2,681 4,163	£. 1,605 117 266 1,988	£. - - - -	£. 3,008 196 2,947 6,151	£. 174 45 841 1,060	£. 2,834 151 2,106 5,091	-	-	-	Repairs, supplies, returns, &c.; also improving ventilation.
						Engines and Engineers' Fittings. Boilers and Engineers' Fittings. Engineers' Stores - Total - - - £.	124 168 483 775	170 370 - 540	- - - -	294 538 483 1,315	40 22 13 75	254 516 470 1,240	-	-	-	
DRUID	- - - 10	350 (2,272)	1,322 (1,870)	14 Aug. "	20 Aug. 1874	Rigging and Stores Engineers' Stores Rigging and Stores - Total - - - £.	- 21 1,339 689	- - - 8	- - - -	- 21 1,399 689	1 - 15 4	1 21 1,324 8	-	-	-	Casual supplies, &c.
DRYAD	- - - 9	300 (1,464)	1,086 (1,574)	23 Mar. "	20 Mar. 1875	Engines and Engineers' Fittings. Engineers' Stores Total - - - £.	- 689 639	- - 8	- - -	8 689 637	- 4 4	8 685 633	-	-	-	Stores supplied to com- plete the Vessel for Sea Service. She was Com- missioned in August 1874.
EAGLE (Coast Guard Cruiser.)	- - - -	-	118	11 July "	6 Mar. "	Rigging and Stores	162	1	-	163	1	162	-	-	-	Casual supplies, &c.
EAGLE	- - - 14	-	1,723 (2,240)	31 Mar. "	17 Mar. "	Hull - - - Rigging and Stores - Total - - - £.	88 249 337	7 1 8	- - -	95 250 345	20 83 103	75 167 242	-	-	-	Making arm racks. Casual supplies, &c.
EGERIA	- - - 4	120 (1,011)	727 (894)	7 April "	10 Dec. 1874	Rigging and Stores Engineers' Stores -	846 323	1 -	- -	847 323	67 3	780 320	-	-	-	Stores supplied to com- plete the Vessel for Sea Service. She was Com- missioned in November 1874.

ENCHANTRESS	1	250 (1,315)	835 (985)	6 April "	25 April "	Hull - - -	- -	15	-	15	-	15	-	15	-	Transporting and mooring.
				19 Oct. "	31 Oct. "	Hull - - -	- -	6	-	6	-	6	-	6	-	
EXPRESS	4	- (498)	-	2 Feb. 1875	17 Mar. 1875	Rigging and Stores Engineers' Stores -	29 40	- -	- -	29 40	- -	29 40	- -	29 40	- -	Supplies of Sea Stores while completing for Sea Service.
FANNY (Coast Guard Cruiser.)	-	-	153	30 April 1874	17 Mar. "	Hull - - - Masts and Yards - Rigging and Stores -	1 13 316	2 8 3	- - -	3 21 319	169 1 109	466 20 210	- -	466 20 210	- -	Making gaff and sails; casual supplies, &c.
						Total - - - £.	330	13	-	343	279	64	-	64	-	
FANTOME	4	120 (975)	727 (894)	-	On the 6th Jan. 1875	Rigging and Stores	-	-	-	-	3	3	-	3	-	Casual returns.
FERVENT	2	60 (209)	283 (284)	20 July 1874	18 Mar. 1875	Rigging and Stores Engineers' Stores -	62 28	- -	- -	62 28	- -	62 28	- -	62 28	- -	Casual supplies.
FLIRT	4	120 (532)	464 (584)	9 May "	19 Mar. "	Rigging and Stores Engineers' Stores -	215 11	- -	- -	215 11	23 3	192 8	- -	192 8	- -	Casual supplies, &c.
FLY - - - (Coast Guard Cruiser.)	-	-	60	2 Nov. "	20 Jan. "	Rigging and Stores	82	1	-	83	21	62	-	62	-	- ditto.
						Rigging and Stores	528	-	-	528	42	486	-	486	-	
				23 Mar. "	31 Aug. 1874	Engines and Engineers' Fittings. Engineers' Stores -	- 450	5 -	- -	5 450	- 3	5 447	-	5 447	-	Supplies to complete the vessel for Sea Service. She was Commissioned in June 1874.
						Total - - - £.	450	5	-	455	8	452	-	452	-	
FLY - - -	4	120 (489)	464 (584)	19 Oct. "	19 Dec. "	Hull - - - Masts and Yards - Rigging and Stores -	225 8 185	237 11 25	- - -	482 14 160	21 2 61	461 12 99	-	461 12 99	-	Fitting Hurricane Deck; casual repairs and sup- plies, &c.
						Total - - - £.	363	293	-	656	84	572	-	572	-	
				19 Oct. "	19 Dec. "	Engines and Engineers' Fittings. Boilers and Engineers' Fittings. Engineers' Stores -	4 5 116	22 9 -	- - -	26 14 116	- - 10	26 14 106	-	26 14 106	-	
						Total - - - £.	125	31	-	156	10	146	-	146	-	
				26 Jan. 1875	20 Mar. 1875	Rigging and Stores	1	-	-	1	317	316	-	316	-	Chain cables from former Commission returned after cleaning, &c.

DEVONPORT DOCKYARD AND FACTORY.—No. 4.—DETAILED SHIP ACCOUNT—continued.

No. 2.—WEAR AND TEAR AND MAINTENANCE OF THE FLEET, IN COMMISSION AND IN RESERVE, including REPAIRS, REFITS, ALTERATIONS, &c.—continued.

NAME OF SHIP.	Number of Guns.	Horse Power.	Tonnage.	PERIODS within which the Expense was incurred.		Detailed Head of Charge.	Value of Materials Issued.	Wages.	Payments to Con- tractors,&c. Made and Allowed at Admiralty.	Gross Total, excluding Incidental and Establish- ment Charges.	Value of Materials Returned.	Net Total, excluding Incidental and Establish- ment Charges.	Incidental and Estab- lishment Charges.	Total Expense, inclusive of Incidental and Estab- lishment Charges.	REMARKS.
				From	To										
NOT IRON CLAD—continued.															
IN COMMISSION—continued.															
FLYING FISH -	4	120 (836)	727 (894)	25 July 1874	27 July 1874	{ Rigging and Stores - Engineers' Stores -	£. 25 13	- - -	- - -	£. 25 13	- - -	£. 25 13	- - -	- - -	Casual supplies.
						{ Hull - - - Masts and Yards - - Rigging and Stores -	142 - 421	207 2 17	- - -	349 2 438	63 - 169	286 2 269	- - -	- - -	
						Total - - - £.	563	226	-	789	232	557	-	-	
Fox -	2	200 (764)	1,131 (4,780)	6 April "	20 Mar. 1875	{ Engines and Engineers' Fittings. Boilers and Engineers' Fittings. Engineers' Stores -	2 24 335	10 34 -	- - -	12 58 335	- - 159	12 58 176	- - -	- - -	Casual repairs and sup- plies, &c.
						Total - - - £.	361	44	-	405	159	246	-	-	
GANGES -	19	-	2,285 (3,594)	2 April "	20 Mar. "	{ Hull - - - Rigging and Stores -	27 1,160	10 24	- -	37 1,184	3 126	34 1,058	- -	- -	Casual repairs and sup- plies, &c.
						Total - - - £.	1,187	34	-	1,221	129	1,092	-	-	
GOSHAWK -	4	60 (444)	295 (450)	29 Sept. "	17 Dec. 1874	Rigging and Stores -	58	-	-	58	-	58	-	-	Casual supplies.
HARRY -	2	200 (392)	344 (-)	- On the 15th Mar. 1875 -		{ Engines and Engineers' Fittings.	-	-	-	-	186	486	-	-	Casual returns.
HAWK - (Coast Guard Cruiser.)	1	70 (434)	372 (400)	13 July 1874	20 Mar. 1875	{ Rigging and Stores - Engineers' Stores -	212 47	1 -	- -	213 47	25 -	188 47	- -	- -	Casual supplies and returns.

HIMALAYA	-	3	700 (2,556)	3,453 (4,490)	23 Mar. "	24 Dec. 1874	Hull - - - £.	1	93	94	94	{Stores returned on Ship Paying off in May 1874; also supplies to complete her for Sea after repair and refit. She was Re- Commissioned in October 1874.
					Masts and Yards -	—	11	11	11			
					Rigging and Stores -	1,527	15	1,542	1,585			
					Total - - - £.	1,528	119	1,647	1,780			
HIND	-	1	60 (217)	233 (284)	11 Jan. 1875	20 Mar. 1875	Engines and Engineers' Fittings.	16	1	17	Casual repairs and supplies.	
					Rigging and Stores -	14	—	14	14			
					Engines and Engineers' Fittings.	16	1	17	17			
					Total - - - £.	1,106	10	1,116	494			
HINDOSTAN	-	-	-	2,050 (3,242)	- On the 26th Feb. 1875	-	Rigging and Stores	—	—	11	Return of anchors after survey. This Vessel was Broken up in 1872.	
					23 Mar. 1874	13 Feb. 187	Hull - - - £.	420	41	461		381
					Engines' Stores -	2	—	2	2			
					Hull - - - £.	—	4	4	95			
IMMORTALITÉ (Coast Guard Cruiser.)	-	28	600 (2,394)	3,059 (3,984)	- On the 23rd Sept. 1874	-	Engines' Stores -	2	—	2	Casual supplies.	
					27 Mar. 1874	20 Mar. 1875	Boilers and Engineers' Fittings.	—	3	3		3
					Engines' Stores -	47	—	47	46			
					Total - - - £.	47	3	50	49			
IMPLACABLE	-	16	-	1,882 (3,223)	23 Mar. "	20 Mar. "	Hull - - - £.	203	62	265	- ditto - ditto.	
					Masts and Yards -	20	13	33	32			
					Rigging and Stores -	1,952	54	2,006	1,740			
					Total - - - £.	2,175	129	2,304	2,085			
IMPREGNABLE	-	26	-	2,406 (3,880)	23 Mar. "	20 Mar. "	Hull - - - £.	155	17	172	- ditto - ditto.	
					Masts and Yards -	—	1	1	1			
					Rigging and Stores -	2,017	46	2,063	1,860			
					Total - - - £.	2,172	64	2,236	2,018			

DEVONPORT DOCKYARD AND FACTORY—No. 4.—DETAILED SHIP ACCOUNT—continued.

No. 2.—WEAR AND TEAR AND MAINTENANCE OF THE FLEET, IN COMMISSION AND IN RESERVE, including REPAIRS, REFFITS, ALTERATIONS, &c.—continued.

NAME OF SHIP.	Number of Guns.	Horse Power.	Tonnage.	PERIODS within which the Expense was incurred.		Detailed Head of Charge.	Value of Materials Issued.	Wages.	Payments to Con- tractors, &c. Made and Allowed at Admiralty.	Gross Total, excluding Incidental and Establish- ment Charges.	Value of Materials Returned.	Net Total, excluding Incidental and Estab- lishment Charges.	Incidental and Estab- lishment Charges.	Total Expense, inclusive of Incidental and Estab- lishment Charges.	REMARKS.	
				From	To											
NOT IRON CLAD—continued.																
IN COMMISSION—continued.																
INDUS	-	-	2,098 (3,653)	23 Mar. 1874	20 Mar. 1875	Hull - - - Rigging and Stores - Total - - - £.	£. 169 1,822 1,991	£. 4 55 59	£. — — —	£. 173 1,877 2,050	£. 22 290 312	£. 151 1,587 1,738	-	-	Casual repairs, supplies, and returns.	
JACKAL	-	150 (455)	340 (—)	20 April "	6 Aug. 1874	Hull - - - Rigging and Stores - Total - - - £.	£. 40 426 466	£. 91 6 97	£. — — —	£. 131 432 563	£. 3 51 54	£. 128 381 509	-	-	{ Examining inside plating, bulkheads, &c., and casual repairs and sup- plies.	
JULIA (Coast Guard Cruiser.)	-	-	15	26 Mar. "	23 Feb. 1875	Engines and Engineers' Fittings, Engineers' Stores - Total - - - £.	£. 25 135 160	£. 69 — 69	£. — — —	£. 94 135 229	£. — 16 16	£. 94 119 213	-	-	Casual supplies, &c.	
KING GEORGE (Coast Guard Cruiser.)	-	-	60	30 July "	6 Mar. "	Rigging and Stores - Rigging and Stores - Total - - - £.	£. 36 627	£. — —	£. — —	£. 36 627	£. — 165	£. 36 462	-	-	- ditto.	
LAPWING	-	160 (382)	683 (774)	2 April "	8 Mar. "	Engines and Engineers' Fittings, Engineers' Stores - Total - - - £.	£. 2 442 444	£. 4 — 4	£. — — —	£. 6 442 448	£. — — —	£. 6 442 448	-	-	{ Supplies to complete the vessel for Sea Service. She was Commissioned in September 1874.	
LIBERTY	-	-	428 (447)	23 Mar. "	20 Mar. "	Hull - - - Masts and Yards - Rigging and Stores - Total - - - £.	£. 156 28 592 776	£. 327 30 39 396	£. — — — —	£. 483 58 631 1,172	£. 127 1 108 236	£. 356 57 523 936	-	-	{ Casual repairs and sup- plies; also repairing bottom damaged by grounding.	

	3	(570)	(620)	On the 10th October 1874	Rigging and Stores	3	—	—	3	—	3	Casual supplies.
LILY												
LION	10	400 (4,732)	2,611 (3,842)	23 Mar. 1874	Hull - - - Masts and Yards - - Rigging and Stores - Total - - - £.	117 — 438 555	9 — 20 29	— — — —	136 — 458 584	8 30 18 56	118 30 440 528	Casual repairs and supplies, &c.
				23 Mar. "	Hull - - - Rigging and Stores - Total - - - £.	202 315 517	283 29 312	— — —	485 344 829	52 180 232	433 164 597	Casual repairs and supplies. Fitting stern pipes, &c.
				30 May 1874	Engines and Engineers' Fittings. Boilers and Engineers' Fittings. Engineers' Stores - Total - - - £.	1 83 132 216	12 84 — 96	— — — —	13 167 132 312	— 34 13 47	13 133 119 265	
LIVELY	2	250 (4,757)	835 (965)	21 Sept. "	Hull - - - Masts and Yards - - Rigging and Stores - Total - - - £.	107 — 149 256	174 1 33 208	— — — —	281 1 182 464	15 — 24 39	266 1 158 425	Casual repairs and supplies.
				3 Dec. "	Engines and Engineers' Fittings. Boilers and Engineers' Fittings. Engineers' Stores - Total - - - £.	8 342 163 513	36 127 — 163	— — — —	44 469 163 676	— 233 34 267	44 236 129 409	
				11 Jan. 1875	Hull - - - Rigging and Stores - Total - - - £.	— 2 2	1 — 1	— — —	1 2 3	— — —	1 2 3	Casual supplies.
LONDON		Late 500 (3,032)	2,687 (4,375)	24 Mar. 1874	Rigging and Stores - Engineers' Stores -	3,254 1,440	— —	— —	3,254 1,440	153 5	3,101 1,435	Stores supplied to complete the Ship for Service as a Depot Ship and floating factory at Zanzibar: She was Commissioned in April 1874.
Lynn	4	120 (526)	464 (584)	16 Nov. "	Rigging and Stores - Engines and Engineers' Fittings.	27 21	8 15	— —	35 36	326 1	291 35	Cables returned from last Commission, after being cleaned; repairs of Spare Gear, &c.

DEVONPORT DOCKYARD AND FACTORY.—No. 4.—DETAILED SHIP ACCOUNT—continued.

No. 2.—WEAR AND TEAR AND MAINTENANCE OF THE FLEET, IN COMMISSION AND IN RESERVE, including REPAIRS, REFITS, ALTERATIONS, &c.—continued.

NAME OF SHIP.	Number of Guns.	Horse Power.	Tonnage.	PERIODS within which the Expense was incurred.		Detailed Head of Charge.	Value of Materials Issued.	Wages.	Payments to Con- tractors, &c. Made and Allowed at Admiralty.	Gross Total, excluding Incidental and Estab- lishment Charges.	Value of Materials Returned.	Net Total, excluding Incidental and Estab- lishment Charges.	Incidental and Estab- lishment Charges.	Total Expense, inclusive of Incidental and Estab- lishment Charges.	REMARKS.
				From	To										
NOT IRON CLAD—continued.															
IN COMMISSION—continued.															
MARGARET (Coast Guard Cruiser.)	-	-	70	20 July 1874	8 Mar. 1875	Rigging and Stores	82	-	-	82	-	82	-	-	Casual supplies.
MARTIN	-	-	481 (489)	1 June "	18 July 1874	Rigging and Stores	20	-	-	20	-	20	-	-	ditto.
MARY (Coast Guard Cruiser.)	-	-	30	14 Sept. "	20 Mar. 1875	Hull Rigging and Stores	83 89	1 3	-	84 92	65 16	19 76	-	-	Casual repairs and sup- plies, &c.
						Total - - - £.	172	4	-	176	81	95	-	-	
MERMAID (Coast Guard Cruiser.)	-	-	165	20 Nov. "	13 Mar. "	Hull	-	-	-	-	357	357	-	-	Casual returns of metal, &c., after repair of Ves- sel by Contract.
MERSEY	-	36 (3,878)	3,733 (5,643)	23 May "	12 Mar. "	Rigging and Stores	9	34	-	43	910	867	-	-	Anchors, &c., from last Commission, returned after survey, &c.
MODESTE	-	14 (2,477)	1,405 (4,934)	23 Mar. "	4 April 1874	Hull	-	7	-	7	-	7	-	-	Completing drawings.
						Hull Masts and Yards Rigging and Stores	1,967 119 4,129	2,308 111 387	-	4,275 230 4,516	787 25 1,122	3,488 205 3,394	-	-	
						Total - - - £.	6,215	2,806	-	9,021	1,934	7,087	-	-	
NARCISSEUS	-	400 (4,734)	2,665 (3,543)	23 April "	3 Dec. "	Engines and Engineers' Fittings. Boilers and Engineers' Fittings. Engineers' Stores	47 92 295	155 208 1	-	202 300 296	- - 16	202 300 280	-	-	Refitting for 18 months' further Sea Service, and improving ventilation, &c.
						Total - - - £.	434	364	-	798	16	782	-	-	
NEPTUNE (Coast Guard Cruiser.)	-	-	60	8 April "	20 Mar. 1875	Hull Masts and Yards Rigging and Stores	13 5 159	26 7 3	-	39 12 162	- - 24	39 12 138	-	-	Casual repairs and sup- plies, &c.
						Total - - - £.	177	36	-	213	24	189	-	-	

ORWELL.	-	2	60 (228)	268 (320)	14 Sept. "	3 Oct. 1874	Rigging and Stores	-	63	10	-	73	-	73	73	-	Altering sails and casual supplies.
OSBORNE	-	2	450 (2,700)	1,536 (-)	10 Aug. "	22 Aug. "	{ Hull - Rigging and Stores	-	3 12	35 -	-	38 12	-	38 12	38 12	-	Mooring, unmooring, &c.
	-						Total - - - £.	-	15	35	-	50	-	50	50	-	
PART	-	4	120 (502)	464 (584)	13 Nov. "	11 Mar. 1875	{ Rigging and Stores Engines and Engineers' Fittings.	-	- 20	- 12	-	- 32	75	-	75 32	-	Repairing Spare Gear for Machinery, and casual returns.
PIGEON	-	2	60 (211)	268 (320)	9 Nov. "	19 Mar. "	{ Hull - Masts and Yards - Rigging and Stores	- - 1	- - 1	4 11 13	-	4 11 14	- 21 528	4 40 514	4 40 514	-	Stores returned on Vessel Paying Off in November 1874.
	-						Total - - - £.	1	1	28	-	29	549	520	520	-	
PLUCKY	-	1	25 (227)	213 (196)	26 Mar. "	20 Mar. "	Engineers' Stores -	-	-	-	-	-	63	63	63	-	Casual repairs and supplies, &c.
	-						{ Hull - Rigging and Stores	- -	63 42	96 -	-	159 42	6 3	153 39	153 39	-	
	-						Total - - - £.	105	105	96	-	201	9	192	192	-	
	-						Engines and Engineers' Fittings. Boilers and Engineers' Fittings. Engineers' Stores -	- 137 65	- 137 65	1 149 -	-	1 286 65	- 59 26	1 227 39	1 227 39	-	
	-						Total - - - £.	202	202	150	-	352	85	267	267	-	
PRINCESS ALICE	-	-	120 (431)	270 (-)	12 May "	20 Mar. "	{ Hull - Masts and Yards - Rigging and Stores	- - -	47 2 157	98 2 30	-	145 4 187	13 1 20	132 3 167	132 3 167	-	
	-						Total - - - £.	206	206	130	-	336	34	302	302	-	
	-						Engines and Engineers' Fittings. Boilers and Engineers' Fittings. Engineers' Stores -	- 42 86	35 42 86	60 67 -	-	95 109 86	- - 2	95 109 84	95 109 84	-	ditto - ditto.
	-						Total - - - £.	163	163	127	-	290	2	288	288	-	

DEVONPORT DOCKYARD AND FACTORY.—No. 4.—DETAILED SHIP ACCOUNT—continued.

No. 2.—WEAR AND TEAR AND MAINTENANCE OF THE FLEET, IN COMMISSION AND IN RESERVE, including REPAIRS, REFITS, ALTERATIONS, &c.—continued.

NAME OF SHIP.	PERIODS within which the Expense was incurred.		Tonnage.	Horse Power.	Number of Guns.	Detailed Head of Charge.	Value of Materials Issued.	Wages.	Payments to Con- tractors, &c. Made and Allowed at Admiralty.	Gross Total, excluding Incidental and Estab- lishment Charges.	Value of Materials Returned.	Net Total, excluding Incidental and Estab- lishment Charges.	Incidental and Estab- lishment Charges.	Total Expense, inclusive of Incidental and Estab- lishment Charges.	REMARKS.	
	From	To														
NOT IRON CLAD—continued.																
IN COMMISSION—continued.																
RALEIGH	22	800 (5,639)	3,215 (5,200)	15 June 1874	6 July 1874	Hull	£. 58	£. 107	£. —	£. 165	£. 4	£. 161	£.	£.	-	Casual repairs, shipping spare propeller blade, &c.
						Rigging and Stores	288	15	—	303	2	301				
						Total - - - £.	346	122	—	468	6	462				
						Engines and Engineers' Fittings.	5	17	—	22	—	22				
						Boilers and Engineers' Fittings.	—	1	—	1	—	1				
						Total - - - £.	5	18	—	23	—	23			-	Docking, examining, and re-nailing copper sheath- ing, &c.
						Hull	367	258	—	625	105	520				
						Masts and Yards	2	2	—	4	1	3				
						Rigging and Stores	81	12	—	93	1	92				
						Total - - - £.	450	272	—	722	107	615				
				21 Sept. "	24 Oct. "	Engines and Engineers Fittings.	—	4	—	4	—	4		-	-	Stores returned, &c., on Ship Paying Off in March 1874.
						Boilers and Engineers' Fittings.	—	1	—	1	—	1				
						Total - - - £.	—	5	—	5	—	5				
						Masts and Yards - Rigging and Stores	— 2	26 8	—	28	58	12				
						Total - - - £.	2	29	—	31	2,944	2,913				
RATTLESNAKE -	17	400 (4,628)	1,703 (2,434)	23 Mar. "	5 Feb. 1875	Engineers' Stores -	—	—	—	—	309	309				

Ship	Date	23 Mar. "	19 Mar. "	Hull - Rigging and Stores	15 266	42	57	5	52	Casual repairs and sup- plies, &c.
REVENGE	23 Mar. "	800 (2,896)	8,922 (5,260)	Hull - Rigging and Stores	281	52	383	182	151	Casual repairs and sup- plies, &c.
				Total - - - £.						
				Engines and Engineers' Fittings, Engineers' Stores	2 39	14 1	16 40	- 11	16 29	
				Total - - - £.	41	15	56	11	45	
ROCKET	2 Oct. "	120 (632)	464 (584)	Hull - Rigging and Stores	9	2	2 9	- -	2 9	Casual supplies, &c.
				Total - - - £.	9	2	11	-	11	
ROYAL ADELAIDE	23 Mar.	-	2,446 (4,122)	Hull - Masts and Yards - Rigging and Stores	225 5 1,957	49 3 87	274 8 2,044	1 - 166	273 8 1,878	Casual repairs and sup- plies, &c.
				Total - - - £.	2,187	139	2,326	107	2,159	
ROYAL CHARLOTTE (Coast Guard Cruiser.)	11 April "	-	129	Hull - Rigging and Stores	297 238	- 9	297 247	- 4	297 243	Copper sheathing, &c. sup- plied while repairing by Contract.
				Total - - - £.	535	9	544	4	540	
ROYAL GEORGE	- On the 4th July 1874 -	400 (1,447)	2,616 (4,205)	Rigging and Stores	-	-	-	212	212	Anchor from last Commis- sion returned after Sur- vey.
				Hull - Rigging and Stores	34 174	101 23	135 197	17 250	118 53	
				Total - - - £.	208	124	332	267	65	
SALAMANDER	23 Mar. 1874	220 (506)	818 (-)	Engines and Engineers' Fittings, Engineers' Stores	2 87	1 -	3 87	- 14	3 73	Casual repairs and sup- plies, &c.
				Total - - - £.	89	1	90	14	76	
				Hull - Masts and Yards - Rigging and Stores	- 1	3 6	3 7	- 561	3 13 554	
				Total - - - £.	1	17	18	582	564	
SALAMIS	11 May "	250 (1,440)	835 (985)	Engines and Engineers' Fittings, Engineers' Stores	- -	3 -	3 -	- 292	3 222	Stores, &c. returned on Paying Off in May 1874.
				Total - - - £.	-	3	3	222	219	

DEVONPORT DOCKYARD AND FACTORY.—No. 4.—DETAILED SHIP ACCOUNT—continued.

No. 2.—WEAR AND TEAR AND MAINTENANCE OF THE FLEET, IN COMMISSION AND IN RESERVE, including REPAIRS, REFITS, ALTERATIONS, &c.—continued.

NAME OF SHIP.	Number of Guns.	Horse Power.	Tonnage.	PERIODS within which the Expense was incurred.		Detailed Head of Charge.	Value of Materials Issued.	Wages.	Payments to Con- tractors, &c. Made and Allowed at Admiralty.	Gross Total, excluding Incidental and Estab- lishment Charges.	Value of Materials Returned.	Net Total, excluding Incidental and Establish- ment Charges.	Incidental and Estab- lishment Charges.	Total Expense, inclusive of Incidental and Estab- lishment Charges.	REMARKS.	
				From	To											
NOT IRON CLAD—continued.																
IN COMMISSION—continued.																
SAPPHIRE - - -	14	350 (2,356)	1,405 (4,890)	10 Feb. 1875	20 Mar. 1875	Rigging and Stores -	615	-	-	615	-	615	-	-	-	Supplies of Sea Stores while completing for Sea. Repairing lift pump.
SEAFLOWER - - -	8	-	425 (454)	20 April 1874	2 May 1874	Hull - - -	2	7	-	9	-	9	-	-	-	
SEALARK - - -	8	-	319 (311)	23 Mar. "	20 Mar. 1875	Hull - - - Masts and Yards - - Rigging and Stores - -	75 28 665	53 32 29	- - -	138 60 694	1 12 152	127 48 542	-	-	-	Casual repairs and sup- plies, &c.
						Total - - - £.	768	114	-	882	165	717	-	-	-	
						Hull - - - Masts and Yards - - Rigging and Stores - -	51 - 103	82 1 15	- - -	133 1 118	- - 9	133 1 100	-	-	-	- ditto - ditto.
						Total - - - £.	154	98	-	252	9	243	-	-	-	
SEANEW - - - (Coast Guard Cruiser.)	-	50 (159)	330 (376)	20 April "	20 Mar. "	Engines and Engineers' Fittings. + Boilers and Engineers' Fittings. Engineers' Stores - -	55 - 48	65 3 -	- - -	120 3 48	- - -	120 3 48	-	-	-	Casual supplies.
						Total - - - £.	103	68	-	171	-	171	-	-	-	
SHEARWATER - - -	4	150 (532)	669 (913)	2 May "	4 Aug. 1874	Rigging and Stores -	49	-	-	49	-	49	-	-	-	Casual repairs and sup- plies, &c.; altering scupper arrangements, covering steering wheel, &c.
						Hull - - - Masts and Yards - - Rigging and Stores - -	960 27 1,111	1,398 18 173	- - -	2,358 45 1,284	91 2 336	2,267 43 948	-	-	-	
SIMOON - - -	4	400 (1,576)	1,980 (5,302)	27 April "	3 Oct. "	Engines and Engineers' Fittings. Boilers and Engineers' Fittings. Engineers' Stores - -	53 41 383	143 109 -	- - -	196 150 383	- - 46	196 150 337	-	-	-	
						Total - - - £.	477	252	-	729	46	683	-	-	-	

SIRIUS	-	12	350 (2,324)	1,208 (4,755)	20 June "	20 Mar. 1875	Rigging and Stores Engines and Engineers' Fittings.	3	29	32	245	245	Anchor, from last Com- mission, returned after survey; also repair of Spare Gear for Engines.
SKYLARK (Coast Guard Cruiser.)	-	-	70	26 Mar. "	13 Feb. "	Rigging and Stores	220	19	239	20	219	219	Fitting rigging, making sails, casual supplies, &c.
SPHINX	-	5	500 (4,466)	1,061 (-)	17 Aug. "	16 Jan. "	Hull - - - Masts and Yards - Rigging and Stores - Total - - - £.	1	56	57	1,557	1,500	Returning stores, &c., on paying off in September 1874.
SPITEFUL	-	6	280 (796)	1,054 (-)	26 Mar. "	2 May 1874	Engineers' Stores - Rigging and Stores	46	-	46	420	374	Casual supplies.
SQUIRREL	-	10	-	428 (447)	23 Mar. "	20 Mar. 1875	Hull - - - Masts and Yards - Rigging and Stores - Total - - - £.	84 34 694 812	34 41 41 116	118 75 735 928	8 3 135 146	110 72 600 782	Casual repairs and sup- plies, &c.
STAG (Coast Guard Cruiser.)	-	-	-	120	13 April "	18 Mar. "	Hull - - - Rigging and Stores - Total - - - £.	53 53	2 2	53 55	-	2 53 55	Altering rake of Masts; casual supplies, &c.
STEAM CUTTER, No. 7. (Attached to "Tamar.")	-	-	2½	6	16 April "	26 Sept. 1874	Hull - - - Engines and Engineers' Fittings. Boilers and Engineers' Fittings. Engineers' Stores - Total - - - £.	4 - - 14 14	16 25 6 - 31	20 25 6 14 45	- - - 7 7	20 25 6 7 38	Casual repairs, supplies, &c.
STEAM CUTTER, No. 11. (Attached to "Himalaya.")	-	-	3	7	4 May "	5 Nov. "	Engineers' Stores - Hull - - -	42 1	- 7	42 8	6 -	36 8	Casual supplies, &c.
STEAM CUTTER, No. 14. (Attached to "Simoom.")	-	-	3	6	4 May "	1 Aug. "	Engines and Engineers' Fittings. Boilers and Engineers' Fittings. Total - - - £.	- 4 4	1 8 9	1 12 13	- - -	1 12 13	Casual repairs, &c.

DEVONPORT DOCKYARD AND FACTORY.—No. 4.—DETAILED SHIP ACCOUNT—continued.

No. 2.—WEAR AND TEAR AND MAINTENANCE OF THE FLEET, IN COMMISSION AND IN RESERVE, including REPAIRS, REFITS, ALTERATIONS, &c.—continued.

NAME OF SHIP.	PERIODS within which the Expense was incurred.		Tonnage.	Horse Power.	Number of Guns.	Detailed Head of Charge.	Value of Materials Issued.	Wages.	Payments to Con- tractors,&c. Made and Allowed at Admiralty.	Gross Total, excluding Incidental and Establish- ment Charges.	Value of Materials Returned.	Net Total, excluding Incidental and Establish- ment Charges.	Incidental and Estab- lishment Charges.	Total Expense, inclusive of Incidental and Estab- lishment Charges.	REMARKS.
	From	To													
NOT IRON CLAD—continued.															
IN COMMISSION—continued.															
STEAM CUTTER, No. 15. (Attached to "Amethyst.")	18 May 1874	20 June 1874	7	3	—	{ Engines and Engineers' Fittings. Boilers and Engineers' Fittings. Engineers' Stores - - Total - - - £.	£. — — 3 3	£. 2 5 — 7	£. — — — —	£. 2 5 3 10	£. — — — —	£. 2 5 3 10	£. — — — —	£. — — — —	Casual repairs, &c.
STEAM CUTTER, No. 20. (Attached to "Albatross.")	7 Sept. "	5 Oct. "	3½	2½	—	Hull - - - Hull - - - Engines and Engineers' Fittings. Boilers and Engineers' Fittings. Engineers' Stores - - Total - - - £.	£. 3 1 1 — 37 38	£. 5 4 2 5 — 7	£. — — — — — —	£. 8 5 3 5 37 45	£. — — — — — —	£. 8 5 3 5 37 45	£. — — — — — —	£. — — — — — —	ditto.
STEAM CUTTER, No. 22. (Attached to "Fly.")	9 Nov. "	1 Dec. "	4	2½	—	Engines and Engineers' Fittings. Boilers and Engineers' Fittings. Engineers' Stores - - Total - - - £.	£. 1 — 37 38	£. 2 5 — 7	£. — — — —	£. 3 5 37 45	£. — — — —	£. 3 5 37 45	£. — — — —	£. — — — —	Casual repairs and supplies.
STEAM CUTTER, No. 33. (Attached to "London.")	23 June "	8 July "	5	2½	—	Engineers' Stores - Total - - - £.	£. 28 20	£. — —	£. — —	£. 28 20	£. — —	£. 28 20	£. — —	£. — —	Supplies of stores to Com- plete for Service.
STEAM CUTTER, No. 35. (Attached to "Egeria.")	20 Aug. "	10 Nov. "	5	2	—	{ Engines and Engineers' Fittings. Engineers' Stores - - Total - - - £.	£. 7 13 20	£. — — —	£. — — —	£. 7 13 20	£. — — —	£. 7 13 20	£. — — —	£. — — —	ditto - ditto.
STEAM CUTTER, No. 38. (Attached to "Dryad.")	4 Aug. "	14 Sept. "	5	2	—	{ Engines and Engineers' Fittings. Engineers' Stores - - Total - - - £.	£. 5 28 33	£. — — —	£. — — —	£. 5 28 33	£. — — —	£. 5 28 33	£. — — —	£. — — —	ditto - ditto.

[illegible]

DEVONPORT DOCKYARD AND FACTORY.—No. 4.—DETAILED SHIP ACCOUNT—continued.

No. 2.—WEAR AND TEAR AND MAINTENANCE OF THE FLEET, IN COMMISSION AND IN RESERVE, including REPAIRS, REFITS, ALTERATIONS, &c.—continued.

NAME OF SHIP.	Number of Guns.	Horse Power.	Tonnage.	PERIODS within which the Expense was incurred.		Detailed Head of Charge.	Value of Materials Issued.	Wages.	Payments to Con- tractors, &c. Made and Allowed at Admiralty.	Gross Total, excluding Incidental and Estab- lishment Charges.	Value of Materials Returned.	Net Total, excluding Incidental and Estab- lishment Charges.	Incidental and Estab- lishment Charges.	Total Expense, inclusive of Incidental and Estab- lishment Charges.	REMARKS.
				From	To										
NOT IRON CLAD—continued.															
IN COMMISSION—continued.															
STEAM LAUNCH, No. 55. (Attached to "Northumberland.")	—	6	23	30 Mar. 1874	2 May 1874	Hull - - - - Engines and Engineers' Fittings, Boilers and Engineers' Fittings, Engineers' Stores - Total - - - £.	£. 12	£. 20	£. —	£. 32	£. 7	£. 25		£.	Casual repairs and sup- plies, &c. * New boiler.
STEAM LAUNCH, No. 57. (Attached to "Agincourt.")	—	6	22	23 Mar. "	31 Oct. "	Hull - - - - Engines and Engineers' Fittings, Boilers and Engineers' Fittings, Engineers' Stores - Total - - - £.	£. 7	£. 2	£. —	£. 9	£. —	£. 9		£.	Casual repairs and sup- plies, &c.
STEAM LAUNCH, No. 58. (Attached to "Resistance.")	—	6	24	27 April "	31 Oct. "	Engines and Engineers' Fittings, Boilers and Engineers' Fittings, Engineers' Stores - Total - - - £.	£. 1	£. 12	£. —	£. 13	£. —	£. 13		£.	Casual repairs, &c.
STEAM LAUNCH, No. 65. (Attached to "Achilles.")	—	6	23	17 Sept. "	13 Jan. 1875	Engineers' Stores - Hull - - - -	£. 52	£. —	£. —	£. 52	£. —	£. 52		£.	Casual supplies.
STEAM LAUNCH, No. 66. (Attached to "Indus.")	—	6	24	- On the 27th Feb. 1875 -		Hull - - - -	£. 4	£. —	£. —	£. 4	£. —	£. 4		£.	- ditto.

STEAM PINNACE, No. 7. (Attached to "Triumph.")	6	13	23 Mar. 1874	13 Mar. 1875	Hull - - - -	34	45	-	79	21	58	Casual repairs, &c.
					Engines and Engineers' Fittings.	10	36	-	46	-	46	
					Boilers and Engineers' Fittings.	37	56	-	93	12	81	
					Engineers' Stores -	-	-	-	-	8	8	
					Total - - - £.	47	92	-	139	20	119	
					Hull - - - -	10	3	-	13	-	13	
					Engines and Engineers' Fittings.	3	15	-	18	-	18	
					Boilers and Engineers' Fittings.	1	10	-	11	-	11	- ditto.
					Total - - - £.	4	25	-	29	-	29	
					Hull - - - -	9	31	-	40	9	31	
					Engines and Engineers' Fittings.	16	16	-	32	3	29	
					Boilers and Engineers' Fittings.	4	21	-	25	-	25	- ditto.
					Engineers' Stores -	-	-	-	-	10	10	
					Total - - - £.	20	37	-	57	13	44	
					Engineers' Stores -	33	-	-	33	-	33	Casual supplies.
					Hull - - - -	5	17	-	22	4	18	
					Boilers and Engineers' Fittings.	-	3	-	3	-	3	Casual repairs, &c.
					Hull - - - -	18	-	-	18	-	18	
					Engines and Engineers' Fittings.	-	3	-	3	-	3	- ditto.
					Boilers and Engineers' Fittings.	-	2	-	2	-	2	
					Total - - - £.	-	5	-	5	-	5	
					Engineers' Stores -	27	-	-	27	-	27	Casual supplies.
STEAM PINNACE, No. 13. (Attached to "Indus," for use of Admiral Superintendent at Devonport Yard.)	4½	8	23 Mar. "	20 Mar. "	Hull - - - -	10	3	-	13	-	13	
					Engines and Engineers' Fittings.	3	15	-	18	-	18	
					Boilers and Engineers' Fittings.	1	10	-	11	-	11	- ditto.
					Total - - - £.	4	25	-	29	-	29	
					Hull - - - -	9	31	-	40	9	31	
					Engines and Engineers' Fittings.	16	16	-	32	3	29	
					Boilers and Engineers' Fittings.	4	21	-	25	-	25	- ditto.
					Engineers' Stores -	-	-	-	-	10	10	
					Total - - - £.	20	37	-	57	13	44	
					Engineers' Stores -	33	-	-	33	-	33	Casual supplies.
					Hull - - - -	5	17	-	22	4	18	
					Boilers and Engineers' Fittings.	-	3	-	3	-	3	Casual repairs, &c.
					Hull - - - -	18	-	-	18	-	18	
					Engines and Engineers' Fittings.	-	3	-	3	-	3	- ditto.
					Boilers and Engineers' Fittings.	-	2	-	2	-	2	
					Total - - - £.	-	5	-	5	-	5	
					Engineers' Stores -	27	-	-	27	-	27	Casual supplies.
STEAM PINNACE, No. 16. (Attached to "Topaze.")	6	13	16 April "	31 Oct. 1874	Hull - - - -	9	31	-	40	9	31	
					Engines and Engineers' Fittings.	16	16	-	32	3	29	
					Boilers and Engineers' Fittings.	4	21	-	25	-	25	- ditto.
					Engineers' Stores -	-	-	-	-	10	10	
					Total - - - £.	20	37	-	57	13	44	
					Engineers' Stores -	33	-	-	33	-	33	Casual supplies.
					Hull - - - -	5	17	-	22	4	18	
					Boilers and Engineers' Fittings.	-	3	-	3	-	3	Casual repairs, &c.
					Hull - - - -	18	-	-	18	-	18	
					Engines and Engineers' Fittings.	-	3	-	3	-	3	- ditto.
					Boilers and Engineers' Fittings.	-	2	-	2	-	2	
					Total - - - £.	-	5	-	5	-	5	
					Engineers' Stores -	27	-	-	27	-	27	Casual supplies.
STEAM PINNACE, No. 30. (Attached to "Valorous.")	4½	8	26 May "	11 Jan. 1875	Hull - - - -	10	3	-	13	-	13	
					Engines and Engineers' Fittings.	3	15	-	18	-	18	
					Boilers and Engineers' Fittings.	1	10	-	11	-	11	- ditto.
					Total - - - £.	4	25	-	29	-	29	
					Hull - - - -	9	31	-	40	9	31	
					Engines and Engineers' Fittings.	16	16	-	32	3	29	
					Boilers and Engineers' Fittings.	4	21	-	25	-	25	- ditto.
					Engineers' Stores -	-	-	-	-	10	10	
					Total - - - £.	20	37	-	57	13	44	
					Engineers' Stores -	33	-	-	33	-	33	Casual supplies.
					Hull - - - -	5	17	-	22	4	18	
					Boilers and Engineers' Fittings.	-	3	-	3	-	3	Casual repairs, &c.
					Hull - - - -	18	-	-	18	-	18	
					Engines and Engineers' Fittings.	-	3	-	3	-	3	- ditto.
					Boilers and Engineers' Fittings.	-	2	-	2	-	2	
					Total - - - £.	-	5	-	5	-	5	
					Engineers' Stores -	27	-	-	27	-	27	Casual supplies.
STEAM PINNACE, No. 33. (Attached to "Doris.")	6	13	14 Sept. "	11 Nov. 1874	Hull - - - -	10	3	-	13	-	13	
					Engines and Engineers' Fittings.	3	15	-	18	-	18	
					Boilers and Engineers' Fittings.	1	10	-	11	-	11	- ditto.
					Total - - - £.	4	25	-	29	-	29	
					Hull - - - -	9	31	-	40	9	31	
					Engines and Engineers' Fittings.	16	16	-	32	3	29	
					Boilers and Engineers' Fittings.	4	21	-	25	-	25	- ditto.
					Engineers' Stores -	-	-	-	-	10	10	
					Total - - - £.	20	37	-	57	13	44	
					Engineers' Stores -	33	-	-	33	-	33	Casual supplies.
					Hull - - - -	5	17	-	22	4	18	
					Boilers and Engineers' Fittings.	-	3	-	3	-	3	Casual repairs, &c.
					Hull - - - -	18	-	-	18	-	18	
					Engines and Engineers' Fittings.	-	3	-	3	-	3	- ditto.
					Boilers and Engineers' Fittings.	-	2	-	2	-	2	
					Total - - - £.	-	5	-	5	-	5	
					Engineers' Stores -	27	-	-	27	-	27	Casual supplies.
STEAM PINNACE, No. 47. (Attached to "Britannia.")	6	6	17 Aug. "	16 Jan. 1875	Hull - - - -	10	3	-	13	-	13	
					Engines and Engineers' Fittings.	3	15	-	18	-	18	
					Boilers and Engineers' Fittings.	1	10	-	11	-	11	- ditto.
					Total - - - £.	4	25	-	29	-	29	
					Hull - - - -	9	31	-	40	9	31	
					Engines and Engineers' Fittings.	16	16	-	32	3	29	
					Boilers and Engineers' Fittings.	4	21	-	25	-	25	- ditto.
					Engineers' Stores -	-	-	-	-	10	10	
					Total - - - £.	20	37	-	57	13	44	
					Engineers' Stores -	33	-	-	33	-	33	Casual supplies.
					Hull - - - -	5	17	-	22	4	18	
					Boilers and Engineers' Fittings.	-	3	-	3	-	3	Casual repairs, &c.
					Hull - - - -	18	-	-	18	-	18	
					Engines and Engineers' Fittings.	-	3	-	3	-	3	- ditto.
					Boilers and Engineers' Fittings.	-	2	-	2	-	2	
					Total - - - £.	-	5	-	5	-	5	
					Engineers' Stores -	27	-	-	27	-	27	Casual supplies.
STEAM PINNACE, No. 50. (Attached to "London.")	6	13	8 May "	1 June 1874	Hull - - - -	10	3	-	13	-	13	
					Engines and Engineers' Fittings.	3	15	-	18	-	18	
					Boilers and Engineers' Fittings.	1	10	-	11	-	11	- ditto.
					Total - - - £.	4	25	-	29	-	29	
					Hull - - - -	9	31	-	40	9	31	
					Engines and Engineers' Fittings.	16	16	-	32	3	29	
					Boilers and Engineers' Fittings.	4	21	-	25	-	25	- ditto.
					Engineers' Stores -	-	-	-	-	10	10	
					Total - - - £.	20	37	-	57	13	44	
					Engineers' Stores -	33	-	-	33	-	33	Casual supplies.
					Hull - - - -	5	17	-	22	4	18	
					Boilers and Engineers' Fittings.	-	3	-	3	-	3	Casual repairs, &c.
					Hull - - - -	18	-	-	18	-	18	
					Engines and Engineers' Fittings.	-	3	-	3	-	3	- ditto.
					Boilers and Engineers' Fittings.	-	2	-	2	-	2	
					Total - - - £.	-	5	-	5	-	5	
					Engineers' Stores -	27	-	-	27	-	27	Casual supplies.

Ship	6	400 (4,465)	1,257 (—)	24 Mar. "	20 Mar. 1875	Rigging and Stores	1,544	—	—	1,544	88	1,450	Completing with Sea Stores, after repair and refit. She was Commissioned in February 1875.
VALOROUS	—	—	—	—	—	Engines and Engineers' Fittings. Engineers' Stores -	1 541	17 —	—	18 541	—	18 541	—
	—	—	—	—	—	Total - - - £.	542	17	—	559	—	559	—
VICTORIA (Coast Guard Cruiser.)	—	—	131	26 Mar. "	2 Mar. "	Hull - Rigging and Stores	— 527	— 12	—	— 539	3 3	3 536	Making and repairing sails, Casual supplies, &c.
	—	—	—	—	—	Total - - - £.	527	12	—	539	6	533	—
VIGILANT	2	250 (4,815)	835 (985)	21 Sept. "	3 Oct. 1874	Hull - Rigging and Stores	— 42	1 1	—	1 43	— 49	1 6	Mooring. Casual supplies, &c.
	—	—	—	—	—	Total - - - £.	42	2	—	44	49	5	—
VIVID	—	160 (832)	350 (—)	8 April "	11 Mar. 1875	Hull - Masts and Yards - Rigging and Stores	114 2 244	221 5 26	—	335 7 270	38 — 56	297 7 214	Casual repairs and supplies, &c.
	—	—	—	—	—	Total - - - £.	360	252	—	612	94	518	—
	—	—	—	—	—	Engines and Engineers' Fittings. Boilers and Engineers' Fittings. Engineers' Stores -	— 4 53	8 4 —	—	8 8 53	— — 15	8 8 38	—
	—	—	—	—	—	Total - - - £.	57	12	—	69	15	54	—
VOLAGE	18	600 (4,532)	2,322 (3,078)	- On the 21st July 1874 -	-	Rigging and Stores	5	—	—	5	—	5	Casual supplies.
WHITING	2	60 (183)	236 (284)	21 Sept. 1874	2 Oct. 1874	Rigging and Stores	2	—	—	2	—	2	ditto.
	—	—	—	—	—	Hull - Masts and Yards - Rigging and Stores	14,031 743 49,511	14,078 874 2,515	—	28,109 1,617 52,026	3,968 371 23,115	24,141 1,246 23,911	—
	—	—	—	—	—	TOTAL - - - £.	64,385	17,467	—	81,752	27,454	54,298	—
	—	—	—	—	—	Engines and Engineers' Fittings. Boilers and Engineers' Fittings. Engineers' Stores -	1,001 2,337 10,005	2,057 2,439 11	—	3,058 4,996 10,016	408 870 2,572	2,650 4,126 7,444	—
	—	—	—	—	—	TOTAL - - - £.	13,343	4,507	220	18,070	3,850	14,220	See Abstract (p. 410).

[illegible]

See Abstract (p. 411).

No. 2.—WEAR AND TEAR AND MAINTENANCE OF THE FLEET, IN COMMISSION AND IN RESERVE, including REPAIRS, REITS, ALTERATIONS, &c.—continued.

No. 2.—WEAR AND TEAR AND MAINTENANCE OF THE FLEET, IN COMMISSION AND IN RESERVE.																
NAME OF SHIP.	PERIODS within which the Expense was incurred.		Tonnage.	Horse Power.	Number of Guns.	Detailed Head of Charge.	Value of Materials Issued.	Wages.	Payments to Contractors, &c. Made and Allowed for Admiralty.	Gross Total, excluding incidental and Establishment Charges.	Value of Materials Returned.	Net Total, excluding incidental and Establishment Charges.	Incidental and Establishment Charges.	Total Expense, inclusive of incidental and Establishment Charges.	REMARKS.	
	From	To														
IRON CLADS BUILT IN HER MAJESTY'S DOCKYARDS:																
IN RESERVE:																
ACHILLES	-	16	1,250 (5,722)	6,121 (9,094)	23 Mar. 1874	20 Mar. 1875										Completing general repair and refit for Sea Service.
							Hull - - -	10,373	17,383	-	27,756	2,981	24,775			
							Masts and Yards - -	308	536	-	834	98	836			
							Rigging and Stores - -	11,557	639	-	12,196	199	11,997			

NOT IRON CLAD:

IN RESERVE:

ALERT	4	60 (342)	751 (1,045)	5 Oct. 1874	20 Feb. 1875	Hull - - - Rigging and Stores -	39 415	187 2	226 417	1 516	225 99	Repairing for navigating to Portsmouth to be com- pleted for Arctic Service.
						Total - - - £.	454	189	643	517	126	
						Engines and Engineers' Fittings.	-	16	16	325	309	
BRITOMART	2	60 (277)	270 (380)	9 May "	6 Mar. "	Hull - - - Rigging and Stores -	2 -	30 2	32 2	2 -	30 2	Surveying the Vessel to as- certain fitness to receive New Boilers, &c.
						Total - - - £.	2	32	34	2	32	
						Engines and Engineers' Fittings.	-	8	8	-	8	
BUZZARD	2	300 (853)	980 (-)	7 Dec. "	16 Jan. "	Hull - - -	-	3	3	-	3	Casual work.
						Hull - - - Rigging and Stores -	6 190	60 -	75 190	8 -	67 190	
						Total - - - £.	196	60	265	8	257	
CADNUS	17	400 (1,534)	1,466 (2,767)	18 Nov. "	22 Jan. "	Engines and Engineers' Fittings.	2	20	31	-	31	Surveying Ship on paying off, covering hatchways, &c.
						Boilers and Engineers' Fittings.	1	26	27	-	27	
						Total - - - £.	3	55	58	-	58	
CONSTANCE	35	500 (2,267)	3,213 (3,832)	-	On the 23rd Jan. 1875	Hull - - -	-	3	3	-	3	Casual work.
						Hull - - - Rigging and Stores -	109 69	5 -	114 69	1 -	113 69	
						Total - - - £.	178	5	183	1	182	Casual repairs, new fire- hearth, &c.
DEFIANCE	30	800 (3,550)	3,475 (5,270)	11 May 1874	18 Mar. 1875	Hull - - - Masts and Yards - Rigging and Stores -	4,332 425 4,273	4,848 462 332	9,180 887 4,605	913 76 182	8,267 811 4,423	
						Total - - - £.	9,030	5,642	14,672	1,171	13,501	Completing repairs and general refit for Sea Service, including New Boilers. Commissioned in August 1874.
DRYAD	9	300 (1,464)	1,086 (1,574)	23 Mar. "	10 Dec. 1874	Engines and Engineers' Fittings.	873	1,235	2,108	658	1,450	
						Boilers and Engineers' Fittings.	4,989	1,072	6,061	361	5,700	
						Enginers' Stores -	40	-	40	6	34	
						Total - - - £.	5,902	2,307	8,209	1,025	7,184	
FAMMOUTH	72	400 (1,252)	3,109 (1,362)	-	On the 15th July 1874	Hull - - -	5	-	5	-	5	Materials for casual repairs.

DEVONPORT DOCKYARD AND FACTORY.—No. 4.—DETAILED SHIP ACCOUNT—continued.

No. 2.—WEAR AND TEAR AND MAINTENANCE OF THE FLEET, IN COMMISSION AND IN RESERVE, including REPAIRS, REFITS, ALTERATIONS, &c.—continued.

NAME OF SHIP.	PERIODS within which the Expense was incurred.		Tonnage.	Horse Power.	Number of Guns.	Detail of Head of Charge.	Value of Materials Issued.	Wages.	Payments to Con- tractors, &c. Made and Allowed at Admiralty.	Gross Total, excluding Incidental and Estab- lishment Charges.	Value of Materials Returned.	Net Total, excluding Incidental and Estab- lishment Charges.	Incidental and Estab- lishment Charges.	Total Expense, inclusive of Incidental and Estab- lishment Charges.	REMARKS.
	From	To													
NOT IRON CLAD—continued.															
IN RESERVE—continued.															
FLY - - -	4	120 (189)	464 (584)	23 Mar. 1874	4 Aug. 1874	Hull - - - Masts and Yards - - Rigging and Stores - - Total - - - £.	£. 410 50 1,891 2,351	£. 1,101 89 143 1,333	£. — — — —	£. 1,511 139 2,034 3,684	£. 172 3 51 226	£. 1,339 136 1,983 3,458	£.	£.	{ Completing repairs, and general refit for Sea Ser- vice. Commissioned in June 1874.
GREYHOUND - -	5	200 (743)	880 (1,260)	28 Dec. "	2 Jan. 1875	Engines and Engineers' Fittings. Boilers and Engineers' Fittings. Engineers' Stores - - Total - - - £.	£. 225 278 83 586	£. 345 291 — 636	£. — — — —	£. 570 569 83 1,222	£. 309 326 9 644	£. 261 243 74 578	£.	£.	
HIMALAYA - -	8	700 (2,556)	3,453 (4,490)	10 April "	20 Mar. "	Hull - - - Masts and Yards - - Rigging and Stores - - Total - - - £.	£. 4,619 36 5,221 9,876	£. 10,033 77 399 10,509	£. — — — —	£. 14,652 113 5,620 20,385	£. 852 7 198 1,057	£. 13,800 106 5,422 19,328	£.	£.	{ Repairing and refitting for Sea Service, including New Boilers. Commis- sioned in October 1874.
HOWE - - -	102	1,000 (4,524)	4,245 (6,557)	15 Feb. "	13 Mar. "	Engines and Engineers' Fittings. Boilers and Engineers' Fittings. Engineers' Stores - - Total - - - £.	£. 3,689 9,941 106 13,736	£. 2,792 3,032 — 5,824	£. — — — —	£. 6,481 12,973 106 19,560	£. 2,320 2,192 15 4,527	£. 4,161 10,781 91 15,033	£.	£.	
HOWE - - -	102	1,000 (4,524)	4,245 (6,557)	1 April "	18 Mar. "	Hull - - - Masts and Yards - - Rigging and Stores - - Total - - - £.	£. 28 88 116	£. 1 — 1	£. — — —	£. 29 88 117	£. — — —	£. 29 88 117	£.	£.	{ Casual repairs and supplies.
HOWE - - -	102	1,000 (4,524)	4,245 (6,557)	1 April "	18 Mar. "	Engineers' Stores - - Total - - - £.	£. 11	£. —	£. —	£. 11	£. —	£. 11	£.	£.	

INDUSTRY				24 April "	20 Mar. "	Hull - - - -	10	2	-	12	8	4
	2	80 (279)	638 (1,100)			Engines and Engineers' Fittings. Boilers and Engineers' Fittings.	-	-	-	-	104 108	104 108
						Total - - - £.	-	-	-	-	207	207
JASON	17	Late 400 (1,616)	1,711 (2,434)	21 Sept. "	14 Nov. 1874	Boilers and Engineers' Fittings.	-	18	-	18	-	18
						Hull - - - - Masts and Yards - - Rigging and Stores -	986 135 2,566	1,946 190 197	-	2,932 325 2,763	243 28 129	2,690 297 2,634
						Total - - - £.	3,687	2,333	-	6,020	309	5,621
LAPWING	3	160 (882)	663 (774)	23 Mar. "	19 Dec. "	Engines and Engineers' Fittings. Boilers and Engineers' Fittings. Engineers' Stores -	498 815 83	632 801 -	-	1,130 4,575 83	382 562 5	748 4,013 78
						Total - - - £.	1,396	1,433	2,959	5,738	949	4,830
LIFEY	28	600 (1,905)	2,654 (3,915)	4 June "	20 Mar. 1875	Hull - - - - Masts and Yards - -	3 -	7 -	-	10 -	- 63	10 63
						Total - - - £.	3	7	-	10	63	53
LIVERPOOL	28	600 (1,935)	2,656 (3,915)	20 April "	19 June 1874	Hull - - - - Masts and Yards - -	- -	10 -	-	10 -	- 4	10 4
						Total - - - £.	-	10	-	10	4	6
						Hull - - - - Masts and Yards - - Rigging and Stores -	1,925 10 2,211	1,672 16 70	-	3,537 26 2,981	240 - 381	3,357 26 1,900
						Total - - - £.	4,146	1,758	-	5,904	621	5,283
LONDON	2	Late 500 (1,564)	2,637 (4,375)	23 Mar. "	8 Aug. "	Engines and Engineers' Fittings. Boilers and Engineers' Fittings.	- -	- 16	-	- 16	3,130 -	3,130 16
						Total - - - £.	-	16	-	16	3,130	3,114

DEVONPORT DOCKYARD AND FACTORY.—No. 4.—DETAILED SHIP ACCOUNT—continued.

No. 2.—WEAR AND TEAR AND MAINTENANCE OF THE FLEET, IN COMMISSION AND IN RESERVE, including REPAIRS, REVITS, ALTERATIONS, &c.—continued.

NAME OF SHIP.	Number of Guns.	Horse Power.	Tonnage.	PERIODS within which the Expense was incurred.		Detailed Head of Charge.	Value of Materials Issued.	Wages.	Payments to Con- tractors, &c. Made and Allowed at Admiralty.	Gross Total, excluding Incidental and Estab- lishment Charges.	Value of Materials Returned.	Net Total, excluding Incidental and Estab- lishment Charges.	Incidental and Estab- lishment Charges.	Total Expense, inclusive of Incidental and Estab- lishment Charges.	REMARKS.	
				From	To											
NOT IRON CLAD—continued.																
IN RESERVE—continued.																
LYNX	4	120 (526)	464 (584)	10 Aug. 1874	20 Mar. 1875	Hull - - - £. Masts and Yards - - Rigging and Stores - Total - - - £.	£. 2,027 418 1,087 3,532	£. 3,109 206 76 3,391	£. — — — —	£. 5,136 624 1,163 6,923	£. 674 120 62 856	£. 4,462 504 1,101 6,067	£.	£.	Repairing and refitting for Sea Service, including New Boilers.	
MERSEY	36	1,000 (3,878)	3,733 (5,643)	15 July "	12 Aug. 1874	Engines and Engineers' Fittings. Boilers and Engineers' Fittings. Total - - - £.	£. 528 1,693 2,921	£. 912 638 1,540	£. — — —	£. 1,440 2,321 3,761	£. 204 498 702	£. 1,236 1,823 3,059	£.	£.	Materials for casual repairs, &c.	
NILE	78	500 (928)	2,622 (4,375)	- On the 15th July 1874 -		Hull - - - £.	£. 5	£. —	£. —	£. 5	£. —	£. 5	£.	£.	Housings over hatchways, &c.	
ORONTES	2	(2,500)	(3,600)	18 Jan. 1875	4 Feb. 1875	Hull - - - £.	£. 308	£. 4	£. —	£. 312	£. —	£. 312	£.	£.	Materials, &c., supplied for Vessels while being re- paired, &c., by Contract.	
PERT	4	120 (502)	464 (584)	10 Aug. 1874	20 Mar. "	Engines and Engineers' Fittings. Boilers and Engineers' Fittings. Total - - - £.	£. 304 1,534 1,888	£. 814 463 1,277	£. — — —	£. 1,118 2,047 3,165	£. 40 106 146	£. 1,078 1,941 3,019	£.	£.	Repairing and refitting for Sea, including new boil- ers.	

Ship	28	9 May "	12 Aug. 1874	Masts and Yards -	--	--	--	78	78	78	Casual returns.
PHOEBE	500 (1,713)	2,896 (3,584)	12 Aug. 1874	Masts and Yards -	--	--	--	--	--	--	Casual returns.
PIGEON	2	268 (330)	20 Feb. 1875	Hull - - - - Boilers and Engineers' Fittings.	7 1	6 8	13 9	13 9	13 9	13 9	Casual repairs, &c.
RACON	18	1,457 (2,306)	19 Dec. 1874	Boilers and Engineers' Fittings.	--	20	20	20	20	20	Cutting up condemned Boiler Tubes, &c.
RATTLENAKE	17	1,705 (2,437)	6 Feb. 1875	Hull - - - -	5	29	31	4	30	30	Transporting, Mooring, and Surveying, &c.
ROYAL ALBERT	107	3,720 (5,637)	29 Jan. "	Hull - - - - Rigging and Stores Total - - - £.	67 97 164	-- -- --	67 97 164	67 97 164	67 97 164	67 97 164	Casual supplies.
ST. GEORGE	72	2,804 (4,579)	- On the 24 Feb. 1875	Engineers' Stores -	11	--	11	--	11	11	Casual returns.
SALAMIS	2	835 (985)	25 May 1874	Masts and Yards -	--	26	--	2	2	2	Examining Ship, Transporting, &c.
SIRIUS	12	1,263 (4,755)	20 Mar. 1875	Hull - - - - Boilers and Engineers' Fittings. Total - - - £.	9 1 7,563	26 6 6,701	35 7 14,264	35 7 14,264	35 7 14,264	35 7 14,264	Repairing and refitting for Sea Service, including New Boilers and alteration of armament, &c.
SPENTIX	5	1,061 (1,409)	7 Sept. "	Engines and Engineers' Fittings. Boilers and Engineers' Fittings. Total - - - £.	1,485 206 1,691	1,282 113 1,395	2,767 7,169 9,936	354 1,174 1,528	2,413 5,995 8,408	2,413 5,995 8,408	Covering Hatchways, &c.

STEAM PINNACE, No. 22. (Attached to "Hotspur.")	41	8	23 Mar. "	18 April "	Hull - - - -	5	33	38	38	Completing repairs and refit, &c.
STEAM PINNACE, No. 20. (Attached to "Valorous.")	44	8	23 Mar. "	2 Jan. 1875	Engines and Engineers' Fittings, Boilers and Engineers' Fittings.	1	9	10	10	-
					Total - - - £.	2	11	13	13	-
					Hull - - - -	2,441	4,068	6,539	5,557	-
					Masts and Yards - -	28	119	147	146	-
					Rigging and Stores - -	3,679	295	3,974	3,926	-
					Total - - - £.	6,148	4,512	10,600	9,629	-
VALOROUS - - -	6	400 (1,145)	23 Mar. "	20 Mar. "	Engines and Engineers' Fittings, Boilers and Engineers' Fittings, Engineers' Stores -	83	129	212	60	-
					Total - - - £.	289	241	530	365	-
VESUVIUS (Torpedo Vessel.)	-	-	13 April "	18 April 1874	Hull - - - -	-	3	3	3	-
					Hull - - - -	26,822	35,099	62,821	56,108	-
					Masts and Yards - -	1,861	1,718	3,579	2,942	-
					Rigging and Stores - -	21,824	1,526	23,350	21,718	-
					TOTAL - - - £.	50,507	39,243	89,750	80,768	-
					Engines and Engineers' Fittings.	7,699	8,235	15,934	7,856	-
					Boilers and Engineers' Fittings.	19,730	6,687	36,373	31,033	-
					Engineers' Stores - -	461	-	461	419	-
					TOTAL - - - £.	27,890	14,922	52,768	39,308	-

See Abstract (p. 411).
 Mooring vessel.

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DEVONPORT DOCKYARD AND FACTORY.—No. 4—DETAILED SHIP ACCOUNT—continued.

No. 3.—HULKS REPAIRING, &c.

NAME OF SHIP.	Rate or Class of Ship.	Tonnage.	PERIODS within which the Expense was incurred.		Detailed Head of Charge.	Value of Materials Issued.	Wages.	Payments to Con- tractors, &c. Made and Allowed at Admiralty.	Gross Total, excluding Incidental and Estab- lishment Charges.	Value of Materials Returned.	Net Total, excluding Incidental and Estab- lishment Charges.	Incidental and Estab- lishment Charges.	Total Expense, inclusive of Incidental and Estab- lishment Charges.	REMARKS.
			From	To										
AMPHITRITE	6th Rate	1,008 (1,447)	9 Nov. 1874	20 Feb. 1875	Hull - - - { Rigging and Stores	£. 3 —	£. 23 26	— —	£. 26 26	£. — 755	£. 26 729	— —	£. —	{ Surveying the Vessel. Stores subsequently re- turned on the Vessel being Broken up.
				Total - - - £.	3	49	—	—	52	755	703	—	—	
ANDROMACHE	6th Rate	717 (968)	25 Jan. 1875	19 Feb. "	{ Hull - - - Rigging and Stores	—	1 21	— —	1 21	— 463	1 442	— —	£. —	{ Returning stores previous to Breaking up Ship.
				Total - - - £.	—	22	—	—	22	463	441	—	—	
CALLIOPE	Floating Fac- tory.	720 (968)	13 April 1874	13 Mar. "	{ Hull - - - Rigging and Stores	89 82	4 1	— —	93 83	6 1	87 82	— —	— —	{ Casual repairs and sup- plies. Also articles of store issued, and re- turned after repair by artificers of Reserve.
				Total - - - £.	171	5	—	—	176	7	169	—	—	
CAMBRIAN	5th Rate	1,625 (1,822)	18 April "	2 Nov. 1874	Engineers' Stores - Rigging and Stores	621 4	2 —	— —	623 4	505 —	118 4	— —	— —	Casual supplies.
CANOPUS (Receiving Hulk.)	2nd Rate	2,257 (3,594)	18 April "	20 Mar. 1875	{ Hull - - - Rigging and Stores	71 102	25 3	— —	96 105	— 40	96 65	— —	— —	{ Casual repairs, &c., and painting Ship.
				Total - - - £.	173	28	—	—	201	40	161	—	—	
CIRCUS (Attached to "Im- pregnable.")	5th Rate	1,079 (1,447)	26 Mar. "	1 Mar. "	{ Hull - - - Rigging and Stores	60 96	— —	— —	60 96	— —	60 96	— —	— —	Materials for casual re- pairs.
				Total - - - £.	156	—	—	—	156	—	156	—	—	{ Returning stores previous to Breaking up Vessel. Casual supplies.
CREOLE	6th Rate	923 (958)	1 Feb. 1875	13 Feb. "	Rigging and Stores	—	6	—	5	227	222	—	—	
DUBLIN (Fitting Hulk for Reserve at Devon- port)	4th Rate	1,772 (2,504)	27 Aug. 1874	18 Mar. "	Rigging and Stores	31	—	—	31	—	31	—	—	

Q.1.	FOURDOYANT (Tender to "Cam- bridge" Gun- nery Ship.)	2nd Rate	2,062 (3,502)	28 Mar. "	20 Mar. "	Hull - Rigging and Stores	258 273	100 13	518	113	90	225 541	Casual repairs, caulking ship, &c.
	HASTINGS	Block Ship	1,763 (2,948)	- On the 11th May 1874 -		Hull -	-	-	-	-	1	4	Casual returns.
	JACKDAW	Cooking Depot for the Reserve.	239 (284)	13 April 1874	8 Jan. 1875	Hull -	-	29	24	-	3	50	Casual repairs, and re- placing firehearth, &c.
	LEDA	5th Rate	1,171 (4,502)	30 Nov. "	2 Jan. "	Hull -	-	11	3	-	-	14	Casual repairs.
	MONMOUTH	5th Rate	1,171 (4,502)	18 April "	20 Mar. "	{ Hull - Rigging and Stores	19 6	-	19 6	-	-	19 6	Materials for casual re- pairs.
	PROQUE	5th Rate	1,633 (4,844)	18 April "	24 Oct. 1874	{ Hull - Rigging and Stores	5 4	11	5	-	-	16 4	Casual repairs, &c.
	PROCRIS	Cooking Depot for Reserve.	235 (284)	10 April "	20 Feb. 1875	{ Hull - Rigging and Stores	13 17	14	13	-	-	27 17	- ditto.
	SKIPJACK	Cooking Depot for Reserve.	232 (284)	- On the 12th Sept. 1874 -		Hull -	-	-	5	-	-	5	Materials for casual re- pairs.
	VENGEANCE (Receiving Hulk.)	2nd Rate	2,234 (3,594)	23 Mar. 1874	18 Mar. 1875	{ Hull - Rigging and Stores	266 88	19	266 88	34	34	251 88	Casual repairs, caulking, and painting. New fire- hearth, &c.
	VIGO (Receiving Hulk.)	3rd Rate	1,747 (2,912)	18 April "	20 Mar. "	{ Hull - Rigging and Stores	76 141	5 3	76 141	5 56	5 61	76 88	Casual repairs and sup- plies, &c.
						Total - - - £.	217	8	217	-	-	164	
						{ Hull - Rigging and Stores	892 831	242 72	892 831	91 1,590	91 1,681	1,043 687	See Abstract (p. 411).
						TOTAL - - - £.	1,723	314	1,723	-	-	356	
						{ Engineers' Stores -	621	2	621	505	505	118	

DEVONPORT DOCKYARD AND FACTORY.—No. 4.—DETAILED SHIP ACCOUNT—continued.

No. 4.—STEAM TUGS, YARD CRAFT, COAL DEPÔTS, &c., BUILDING, FITTING, REFITTING, &c.

Yard to which the Craft is Attached.	Name and Description of Yard Craft.	Horse Power.	Tonnage.	PERIODS within which the Expense was incurred.		Detailed Head of Charge.	Value of Materials Issued.	Wages.	Payments to Con- tractors, &c. Made and Allowed at Admiralty.	Gross Total, excluding Incidental and Estab- lishment Charges.	Value of Materials Returned.	Net Total, excluding Incidental and Estab- lishment Charges.	Incidental and Estab- lishment Charges.	Total Expense, inclusive of Incidental and Estab- lishment Charges.	REMARKS.
				From	To										
CHATHAM YARD.	DUCK (Late Chatham Yard Craft, No. 4) Lighter for conveying stores.	-	111	5 Aug. 1874	10 Aug. 1874	Rigging and Stores	£. 2	£. —	£. —	£. 2	£. —	£. 2	£. —	£. —	Casual supplies.
	ROCHESTER (Late Chatham Yard Craft, No. 2) Lighter for conveying stores.	-	154	11 May "	26 Dec. "	{ Hull - - - - Rigging and Stores	1 22	3 3	— —	4 25	— 11	4 14	— —	— —	Casual repairs and sup- plies, &c.
						Total - - - £.	23	6	—	29	11	18	—	—	
						Rigging and Stores	7	—	—	7	2	5	—	—	Casual supplies, &c.
PORTS- MOUTH YARD.	DROMEDARY (Late "Lively" Portsmouth Yard Craft, No. 2.)	-	160	4 May "	4 July "	{ Hull - - - - Rigging and Stores	1 1	3 —	— —	4 1	— —	4 1	— —	— —	Casual repairs, &c.
	FALMOUTH (Late Woolwich Yard Craft, No. 1.)	-				Total - - - £.	2	3	—	5	—	5	—	—	
						{ Hull - - - - Rigging and Stores	30 12	46 1	— —	76 13	— —	76 13	— —	— —	{ Casual repairs, fitting new derricks, and fit- tings for precautions against fire.
						Total - - - £.	42	47	—	89	—	89	—	—	
DEVONPORT YARD.	BACCHUS (Coal Depôt.)	-	1,084 (747)	4 May "	20 Mar. 1875	{ Hull - - - - Rigging and Stores	183 2	183 2	— —	366 3	93 —	273 3	— —	— —	
						Rigging and Stores	98	2	—	100	28	72	—	—	
						Total - - - £.	283	186	—	469	121	348	—	—	
	CARRON (Steam Tug.)	150 (782)	267 (—)	21 April "	6 Mar. "	Engines and Engineers' Fittings. Boilers and Engineers' Fittings. Engineers' Stores	161 16 52	145 63 —	— — —	246 79 52	1 — 1	245 79 51	— — —	— — —	Casual repairs, supplies, returns, &c.
						Total - - - £.	160	208	—	377	2	375	—	—	

CONFIANCE (Steam Tug.)	100	295	25 May "	31 Aug. 1874	Rigging and Stores	—	1	—	1	56	55	{ Chain cable returned after cleaning and survey. This Vessel was Broken up in 1873-74.
DILIGENCE (Coal Depôt.)	—	317 (567)	4 May "	18 Mar. 1875	{ Hull Rigging and Stores	46 19	65	—	111 19	5 2	106 17	Casual repairs and fittings for precautions against fire, &c.
					Total - - - £.	65	65	—	180	7	123	
FANNY (Sailing Lighter.)	—	168	23 Mar. "	20 Mar. "	{ Hull Rigging and Stores	22 99	48 10	—	70 109	2 21	68 88	Casual repairs and supplies, &c.
					Total - - - £.	121	58	—	179	23	156	
FAVOURITE (Coal Depôt.)	—	432 (484)	20 April "	18 Mar. "	{ Hull Rigging and Stores	30 28	42 4	—	72 32	3 5	69 27	Casual repairs and fittings for precaution against fire.
					Total - - - £.	58	46	—	104	8	96	
FLY (Coal Depôt.)	—	485 (585)	7 May "	20 Mar. "	{ Hull Rigging and Stores	60 9	146 1	—	206 10	5 1	201 9	{ Casual repairs; recaulking deck and topsides; fittings for precaution against fire, &c.
					Total - - - £.	69	147	—	216	6	210	
HAMOAZE (Sailing Lighter.)	—	153	23 Mar. "	13 Mar. "	{ Hull Masts and Yards Rigging and Stores	1,388 12 253	1,246 44 42	—	2,634 56 295	830 14 22	1,804 42 273	General repair and refit for Sea Service.
					Total - - - £.	1,653	1,392	—	2,985	866	2,119	
HARLEQUIN (Coal Depôt.)	—	433 (447)	13 April "	20 Mar. "	{ Hull Rigging and Stores	40 33	35 6	—	75 39	1 8	74 31	Casual repairs and fittings for precautions against fire.
					Total - - - £.	73	41	—	114	9	105	
JUPITER (Coal Depôt.)	—	1,258 (4,875)	7 April "	20 Mar. "	{ Hull Rigging and Stores	13 24	14 4	—	27 28	1 6	26 22	Casual repairs and supplies, &c.
					Total - - - £.	37	18	—	55	7	48	
KENT (Sheer Hulk.)	—	2,009 (3,492)	20 April "	16 Mar. "	{ Hull Rigging and Stores	2 303	11 15	—	13 318	— 188	13 180	- - - ditto.
					Total - - - £.	305	26	—	331	138	193	

DEVONPORT
YARD—
continued.

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DEVONPORT
YARD—
continued.

SCOTIA (Steam Tug.)	114	268	9 April "	5 Mar. "	Hull - - - -	78	208	-	281	7	274	Casual repairs and supplies, &c.
					Rigging and Stores - -	101	13	-	114	86	78	
					Total - - - £.	179	216	-	395	43	352	
					Engines and Engineers' Fittings.	58	220	-	273	2	271	
					Boilers and Engineers' Fittings.	25	47	-	72	-	72	
STEAM LAUNCH, No. 21. (For Keyham Factory use.)	8	28	20 April "	30 Jan. "	Enginers' Stores - -	55	-	-	55	1	54	Casual repairs, &c., and lengthening boat.
					Total - - - £.	133	267	-	400	3	397	
					Hull - - - -	41	85	-	126	37	89	
					Engines and Engineers' Fittings.	38	30	-	68	19	49	
					Boilers and Engineers' Fittings.	16	36	-	52	9	43	
STEAM LAUNCH, No. 56. (For Devonport Dock- yard use.)	6	27	28 April "	23 Jan. "	Total - - - £.	54	66	-	120	28	92	Casual repairs, &c.
					Hull - - - -	-	4	-	4	-	4	
					Rigging and Stores - -	3	-	-	3	-	3	
					Total - - - £.	3	4	-	7	-	7	
					Engines and Engineers' Fittings.	1	4	-	5	-	5	
TORROISE (Sailing Lighter.)	-	168	6 April "	5 Feb. "	Boilers and Engineers' Fittings.	-	6	-	6	-	6	Anchors, &c. returned to store after survey.
					Enginers' Stores - -	1	-	-	1	-	1	
					Total - - - £.	2	10	-	12	-	12	
					Rigging and Stores - -	-	-	-	-	312	3 1/2	
					Hull - - - -	131	248	-	379	22	357	
TRUSTY (Steam Tug.)	150 (555)	319 (-)	26 Mar. "	20 Mar. "	Masts and Yards - -	8	12	-	20	1	19	Docking and examining. Casual repairs and supplies, &c.
					Rigging and Stores - -	148	7	-	155	62	98	
					Total - - - £.	287	267	-	554	85	469	
					Engines and Engineers' Fittings.	61	183	-	194	-	194	
					Boilers and Engineers' Fittings.	38	67	-	105	-	105	
TRUSTY (Steam Tug.)	-	-	-	-	Enginers' Stores - -	81	-	-	81	23	58	
					Total - - - £.	180	200	-	380	23	357	

DEVONPORT
YARD—
continued.

DEVONPORT DOCKYARD AND FACTORY.—No. 4.—DETAILED SHIP ACCOUNT—continued.

No. 4.—STEAM TUGS, YARD CRAFT, COAL DEPÔTS, &c, BUILDING, FITTING, REFITTING, &c.—continued.

Yard to which the Craft is Attached.	Name and Description of Yard Craft.	Horse Power.	Tonnage.	Periods within which the Expense was incurred.		Detailed Head of Charge.	Value of Materials Issued.	Wages.	Payments to Contractors, &c. Made and Allowed at Admiralty.	Gross Total, excluding Incidental and Establishment Charges.	Value of Materials Returned.	Net Total, excluding Incidental and Establishment Charges.	Incidental and Establishment Charges.	Total Expense, inclusive of Incidental and Establishment Charges.	REMARKS.
				From	To										
	No. 2 ("Chatham," Break-water Vessel).	-	317	20 Apr. 1874	13 Mar. 1875	{ Hull - - - Rigging and Stores	£. 3	7 6	- - -	£. 10 6	- 47	£. 10 41	£.	-	Casual repairs, &c.
						Total - - - £.	3	13	-	16	47	31	-	-	
				31 Mar. "	20 Mar. "	{ Hull - - - Masts and Yards - - Rigging and Stores	40 9 85	54 11 10	- - -	94 20 95	11 1 24	83 19 71	-	-	Casual repairs and supplies, &c.
	No. 6 ("Mercury," Tender for use of Queen's Harbour Master, Plymouth).	-	70			Total - - - £.	134	75	-	209	36	173	-	-	
	No. 8 (Mooring Lump, No. 1).	-	166	7 Dec. "	20 Mar. "	{ Hull - - - Rigging and Stores	79 108	160 18	- - -	239 126	17 32	222 94	-	-	ditto - ditto.
						Total - - - £.	187	178	-	365	49	316	-	-	
						{ Hull - - - Rigging and Stores	22 85	89 1	- - -	111 86	3 28	108 58	-	-	
						Total - - - £.	107	90	-	197	31	166	-	-	
	No. 9 (Mooring Lighter, fitted with steam capstan).	-	191	23 Mar. "	20 Mar. "	Engines and Engineers' Fittings.	7 1	26 7	- - -	33 8	- -	33 8	-	-	ditto - ditto.
						Boilers and Engineers' Fittings.	23	-	-	23	-	23	-	-	
						Engineers' Stores -	31	33	-	64	-	64	-	-	
						Total - - - £.	-	-	-	-	-	-	-	-	
	No. 10 (Mooring Lump, No. 3).	-	94	15 Mar. 1875	20 Mar. "	Hull - - -	-	1	-	1	-	1	-	-	Casual repairs.
							-	-	-	-	-	-	-	-	

DEVONPORT
YARD—
continued.

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DEVONPORT
YARD--
continued.

NAME OF SHIP.	Rate or Class of Ship.	Horse Power.	Tonnage.	PERIODS within which the Expense was incurred.		Detailed Head of Charge.	Value of Materials Issued.	Wages.	Payments to Con- tractors, &c. Made and Allowed at Admiralty.	Gross Total, excluding Incidental and Establish- ment Charges.	Value of Materials Returned.	Net Total, excluding Incidental and Establish- ment Charges.	Incidental and Estab- lishment Charges.	Total Expense, inclusive of Incidental and Estab- lishment Charges.	REMARKS.
				From	To										
AMPHITRITE	6th Rate	-	1,068 (1,447)	2 Jan. 1875	15 Feb. 1875	Hull	£.	-	£.	514	£.	£.	£.	£.	Taken to Pieces in 1874-75.
ANDROMACHE (Late Powder Depôt.)	6th Rate	-	717 (968)	5 Feb. "	20 Mar. "	Hull	£.	-	£.	349	£.	£.	£.	£.	ditto - ditto.
CEROLE	6th Rate	-	923 (958)	11 Feb. "	16 Mar. "	Hull	£.	-	£.	457	£.	£.	£.	£.	ditto - ditto.
TORTOISE	Lighter	-	163	2 April 1874	19 Dec. 1874	Hull	£.	-	£.	58	£.	£.	£.	£.	ditto - ditto.
TOTAL				TOTAL		Hull	£.	-	£.	1,378	£.	£.	£.	£.	See Abstract (p. 411).

No. 5.—SHIPS AND VESSELS BREAKING UP.

NAME OF SHIP.	Rate or Class of Ship.	Horse Power.	Tonnage.	PERIODS within which the Expense was incurred.		Detailed Head of Charge.	Value of Materials Issued.	Wages.	Payments to Con- tractors, &c. Made and Allowed at Admiralty.	Gross Total, excluding Incidental and Establish- ment Charges.	Value of Materials Returned.	Net Total, excluding Incidental and Establish- ment Charges.	Incidental and Estab- lishment Charges.	Total Expense, inclusive of Incidental and Estab- lishment Charges.	REMARKS.
				From	To										
AMPHITRITE	6th Rate	-	1,068 (1,447)	2 Jan. 1875	15 Feb. 1875	Hull	£.	-	£.	514	£.	£.	£.	£.	Taken to Pieces in 1874-75.
ANDROMACHE (Late Powder Depôt.)	6th Rate	-	717 (968)	5 Feb. "	20 Mar. "	Hull	£.	-	£.	349	£.	£.	£.	£.	ditto - ditto.
CEROLE	6th Rate	-	923 (958)	11 Feb. "	16 Mar. "	Hull	£.	-	£.	457	£.	£.	£.	£.	ditto - ditto.
TORTOISE	Lighter	-	163	2 April 1874	19 Dec. 1874	Hull	£.	-	£.	58	£.	£.	£.	£.	ditto - ditto.
TOTAL				TOTAL		Hull	£.	-	£.	1,378	£.	£.	£.	£.	See Abstract (p. 411).

DEVONPORT DOCKYARD AND FACTORY.—No. 4.—DETAILED SHIP ACCOUNT—continued.

A B S T R A C T.

Page.	DESCRIPTION.	Detailed Head of Charge.	Value of Materials Issued.	Wages.	Payments to Contractors, &c. Made and Allowed at Admiralty.	Gross Total excluding incidental and Establishment Charges.	Value of Materials Returned.	Net Total, excluding incidental and Establishment Charges.	Incidental and Establishment Charges.	Total Expense, inclusive of incidental and Establishment Charges.
			£.	£.	£.	£.	£.	£.	£.	£.
358	Iron Clads built by Contract - - -	Hull - - - Rigging and Stores - - - Engineers' Stores - - - TOTAL - - - £.	43 - - - 443 - - - 125 - - - 611 - - -	196 - - - 3 - - - - - - 199 - - -	- - - - - - - - - - - -	239 - - - 446 - - - 125 - - - 810 - - -	408 - - - - - - - - - 408 - - -	169 - - - 446 - - - 125 - - - 402 - - -	157 - - -	559 - - -
359	Iron Clads built in Her Majesty's Dockyards -	Hull - - - Masts and Yards - - - Rigging and Stores - - - TOTAL - - - £.	1 - - - 236 - - - 34 - - - 271 - - -	18 - - - 9 - - - - - - 27 - - -	- - - - - - - - - - - -	19 - - - 245 - - - 34 - - - 298 - - -	1 - - - 46 - - - - - - 47 - - -	18 - - - 199 - - - 34 - - - 251 - - -	28 - - -	279 - - -
363	Not Iron Clad - - -	Hull - - - Masts and Yards - - - Rigging and Stores - - - Engines and Engineers' Fittings - - - Boilers and Engineers' Fittings - - - Engineers' Stores - - - TOTAL - - - £.	19,595 - - - 1,869 - - - 11,944 - - - 223 - - - 157 - - - 223 - - - 34,011 - - -	15,334 - - - 575 - - - 1,326 - - - 284 - - - 101 - - - - - - 18,220 - - -	- - - - - - - - - 15,750 - - - - - - - - - 15,750 - - -	35,529 - - - 2,444 - - - 13,270 - - - 16,957 - - - 258 - - - 223 - - - 67,981 - - -	4,116 - - - 118 - - - 1,251 - - - 37 - - - - - - 5 - - - 5,527 - - -	31,413 - - - 2,326 - - - 12,019 - - - 16,220 - - - 258 - - - 218 - - - 62,454 - - -	12,235 - - -	74,689 - - -
367	Iron Clads built by Contract - - -	Hull - - - Masts and Yards - - - Rigging and Stores - - - Engines and Engineers' Fittings - - - Boilers and Engineers' Fittings - - - Engineers' Stores - - - TOTAL - - - £.	5,131 - - - 222 - - - 15,279 - - - 388 - - - 1,078 - - - 5,421 - - - 27,519 - - -	5,203 - - - 100 - - - 621 - - - 571 - - - 1,265 - - - 5 - - - 7,765 - - -	- -	10,334 - - - 322 - - - 15,900 - - - 959 - - - 2,943 - - - 5,426 - - - 35,284 - - -	750 - - - 67 - - - 10,615 - - - 19 - - - 453 - - - 2,359 - - - 14,263 - - -	9,584 - - - 255 - - - 5,285 - - - 940 - - - 1,890 - - - 3,067 - - - 21,021 - - -	6,257 - - -	27,278 - - -
368	Iron Clads built in Her Majesty's Dockyards -	Rigging and Stores - - - Engines and Engineers' Fittings - - - Engineers' Stores - - - TOTAL - - - £.	4,482 - - - 19 - - - 2,044 - - - 6,545 - - -	50 - - - 10 - - - - - - 60 - - -	- - - - - - - - - - - -	4,532 - - - 29 - - - 2,044 - - - 6,605 - - -	3,979 - - - 12 - - - 59 - - - 4,050 - - -	553 - - - 17 - - - 1,985 - - - 2,555 - - -	478 - - -	3,033 - - -
389	Not Iron Clad - - -	Hull - - - Masts and Yards - - - Rigging and Stores - - - Engines and Engineers' Fittings - - - Boilers and Engineers' Fittings - - - Engineers' Stores - - - TOTAL - - - £.	14,031 - - - 743 - - - 49,511 - - - 1,001 - - - 2,337 - - - 10,005 - - - 77,628 - - -	14,078 - - - 874 - - - 2,515 - - - 2,057 - - - 2,439 - - - 11 - - - 21,974 - - -	- - - - - - - - - - - - 220 - - - - - - 220 - - -	28,109 - - - 1,617 - - - 52,026 - - - 3,058 - - - 4,996 - - - 10,016 - - - 99,822 - - -	3,968 - - - 371 - - - 23,115 - - - 408 - - - 2,572 - - - 31,304 - - -	24,141 - - - 1,246 - - - 28,911 - - - 2,650 - - - 4,126 - - - 7,444 - - - 68,518 - - -	17,317 - - -	85,835 - - -
		TOTAL - - - £.	77,628 - - -	21,974 - - -	220 - - -	99,822 - - -	31,304 - - -	68,518 - - -	- - -	- - -
		TOTAL, No. 1. Ships Building - - - £.	75,527 - - -							
		TOTAL, No. 2. In Commission - - - £.	116,146 - - -							

No. 2.—Wear and Tear and Maintenance of the Fleet, in Commission and in Reserve, including Repairs, Refits, Alterations, Works rendered necessary by New Armaments, and the Renewal of Worn-out and Perishable Stores, such as Rigging, Rope, Sails, Blocks, &c.:—

In Commission

391	Iron Clads built by Contract	In Reserve	Hull	13,292	19,724	—	33,016	2,553	20,463	19,277	91,367
			Masts and Yards	698	957	—	1,655	142	1,513		
			Rigging and Stores	5,219	135	—	5,354	588	4,766		
			Engines and Engineers' Fittings	3,112	5,026	—	8,138	78	8,060		
			Boilers and Engineers' Fittings	9,058	4,066	19,000	32,124	5,211	26,913		
			Engineers' Stores	375	—	—	375	—	375		
			TOTAL	31,754	29,908	19,000	80,662	8,572	72,090		
392	Iron Clads built in Her Majesty's Dockyards	In Reserve	Hull	13,209	19,161	—	32,370	4,303	28,067	16,726	62,555
			Masts and Yards	398	536	—	934	1,716	782		
			Rigging and Stores	11,563	639	—	12,202	209	11,993		
			Engines and Engineers' Fittings	1,630	2,353	—	3,983	756	3,227		
			Boilers and Engineers' Fittings	2,384	2,553	8,931	13,868	10,736	3,132		
			Engineers' Stores	193	—	—	193	1	192		
			TOTAL	29,377	25,242	8,931	63,550	17,721	45,829		
399	Not Iron Clad	In Reserve	Hull	26,822	35,999	—	62,821	6,713	56,108	36,041	156,117
			Masts and Yards	1,861	1,718	—	3,579	637	2,942		
			Rigging and Stores	21,824	1,526	—	23,350	1,632	21,718		
			Engines and Engineers' Fittings	7,659	8,235	—	15,934	8,078	7,856		
			Boilers and Engineers' Fittings	19,730	6,687	9,956	36,373	5,340	31,033		
			Engineers' Stores	461	—	—	461	42	419		
			TOTAL	78,397	54,165	9,956	142,518	22,442	120,076		
TOTAL, No. 2. In Reserve - - £. 310,039											
401	No. 3.—Hulks Repairing, &c.	In Reserve	Hull	892	242	—	1,134	91	1,043	373	847
			Rigging and Stores	831	72	—	903	1,590	687		
			Engineers' Stores	621	2	—	623	505	118		
			TOTAL	2,344	316	—	2,660	2,166	474		
409	No. 4.—Steam Tugs, Yard Craft, Coal Depôts, &c., Building, Fitting, Refitting, &c.	In Reserve	Hull	4,955	6,353	—	11,308	2,077	9,231	4,855	23,872
			Masts and Yards	68	84	—	152	16	136		
			Rigging and Stores	2,071	202	—	2,273	1,057	1,216		
			Engines and Engineers' Fittings	270	610	6,893	7,773	22	7,751		
			Boilers and Engineers' Fittings	101	321	—	422	9	413		
			Engineers' Stores	297	—	—	297	27	270		
			TOTAL	7,762	7,570	6,893	22,225	3,208	19,017		
409	No. 5.—Ships and Vessels Breaking up	In Reserve	Hull	—	—	1,378	1,378	6,106	4,738	255	4,473
			Masts and Yards	—	—	—	—	—	—		
			Rigging and Stores	—	—	—	—	—	—		
			Engines and Engineers' Fittings	14,342	19,146	22,643	56,131	9,410	46,721		
			Boilers and Engineers' Fittings	34,845	17,432	38,107	90,384	22,619	67,765		
			Engineers' Stores	19,765	18	—	19,783	5,570	14,213		
			TOTAL	296,219	165,446	62,128	523,793	115,834	407,959		
GRAND TOTAL - - £.											

DEVONPORT DOCKYARD

No.

Dr.

DOCKYARD CHARGES INCIDENTAL TO

To INCOME ACCOUNT (p. 353):—

For Amounts shown against the Services in the Detailed Account annexed, viz.:—

	£.	£.
Salaries, &c. - - - - -	15,567	
Rents, Rates, Taxes, and Water - - - - -	809	
Lighting with Gas - - - - -	1,563	
Contingencies - - - - -	1,000	
Wages to Artificers, &c., including Wages, Yard Service Afloat, Hire of Teams, and Extra Pay to Artificers of the Fleet - - - - -	40,908	
Wages, Police Force - - - - -	3,741	
Freight and Sundry Expenses connected with Naval Stores - - -	945	
Estimated Current Charge for Deferred Annuities, equal to 7 per cent. on the Salaries to Dockyard Officers, and Wages paid to established Workmen, on account of the prospect of Pensions on their Retirement - - -	9,440	
Repairs, Replacements, &c. of Buildings, Docks, &c. - - - - -	7,976	
Contingencies (Works and Repairs) - - - - -	1,145	
Ditto - (Machinery) - - - - -	45	
Repairs, Replacements, &c. of Plant - - - - -	11,086	

94,225

To CAPITAL ACCOUNT (p. 356):—

For Value of Stores drawn for the Services named in the Detailed Account - - - - -

29,783

To CONVERSIONS (p. 421):—

For Amount of the Excess Cost of Manufactured Produce over the Value at which it has been charged to Stock for subsequent Issue - - - - -

2,533

To OTHER YARDS (p. 423):—

For Proportion of Cost of Shipment, at the following Yards, of Stores received at Devonport Yard, viz.:—

	£.
Deptford - - - - -	182
Chatham - - - - -	226
Sheerness - - - - -	16
Portsmouth - - - - -	261
Pembroke - - - - -	43
Haulbowline - - - - -	4
Foreign Yards - - - - -	18

750

£.

127,291

AND FACTORY.**5.****SHIP BUILDING, EQUIPPING, &c.****Cr.**

By INCOME ACCOUNT (p. 354):—

For Value of Materials returned into Store	- - - - -	£.	4,353
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By OTHER THAN DOCKYARD SERVICES (p. 419):—

For Proportion of Incidental and Establishment Charges on Materials issued to, and returned from, and on Labour employed on account of other Branches of the Naval Service, other Departments of Government, Private Individuals, &c.	- - - - -		3,754
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By CONVERSIONS (p. 421):—

For Excess of Value at which Manufactured Produce has been charged to Stock for subsequent Issue over the Cost thereof	- - - - -		3,516
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By OTHER YARDS (p. 423):—

For Cost of Shipment of Stores to the following Yards, viz.:—		£.	
Deptford	- - - - -	72	
Chatham	- - - - -	542	
Sheerness	- - - - -	45	
Portsmouth	- - - - -	770	
Pembroke	- - - - -	57	
Haulbowline	- - - - -	45	
Foreign Yards from which no expense accounts are received	- - -	138	
			1,669

By SHIPS (p. 357):—

For Amount of Net Expenditure appropriated <i>pro rata</i> to Sub-heads of Ships Building, &c.	- - - - -		113,999
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Account	- - - - -	£.	127,291
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DEVONPORT DOCKYARD AND FACTORY.—No. 5—continued.

DETAILED ACCOUNT of DOCKYARD CHARGES incidental to SHIP BUILDING, EQUIPPING, &c.

DETAILED HEAD OF CHARGE.	DEBITS.				CREDITS.			Net Amount Chargeable.
	Payments for Salaries, Rents, Contingencies, and other Charges.	Wages.	Materials Issued.	TOTAL.	Materials Returned.	Expense of Shipping Stores to other Yards, and other Credits.	TOTAL.	
Opening and shutting dock gates and penstocks, floating and sinking caissons, and pumping docks; <i>except</i> when it has been possible to charge the expense direct to the ship on account of which it is incurred	£. -	£. 1,290	£. 443	£. 1,733	£. 6	£. -	£. 6	£. 1,727
Transporting hawsers, launching rope gear, rope for guys and staves, blocks, planks, bilgeways, cleats, timber, &c., for launching and docking ships, shores, spauls, stage deals, launching booths, floating stages of all kinds, wedges, harpins, and ribands, blocks under new ships, brows, temporary ladders for, and housing over, ships, &c., screws for securing plank, &c.; <i>except</i> when it has been possible to charge the expense direct to the ship on account of which it is incurred	-	1,654	9,017	10,671	2,330	-	2,330	8,341
Replacement and maintenance of yard boats	-	336	314	650	120	-	120	530
Crabs, winches, carts, waggons, timber carriages, sledges, barrows, ladders, &c.	-	407	365	772	49	-	49	723
Materials and labour (including pay of draughtsmen and modellers) for mould lofts; <i>except</i> when it has been possible to charge the expense direct to the ship on account of which it is incurred	-	339	460	799	168	-	168	631
Loan tool store, including repairs and replacement of tools for general service of the yard, but not for conversion shops	-	2,020	4,467	6,487	252	-	252	6,235
Fire-engines, buckets, hoses, and other gear connected therewith: share of	-	192	53	245	16	-	16	229
Collecting old timber, chips, and stores for sale, and cleaning and clearing the yard and docks	-	2,445	292	2,737	321	-	321	2,416
Coals, candles, furniture, and other stores for officers' offices	-	426	579	1,005	19	-	19	986
Wages of all single stationed men and boats' crews, to include draughtsmen (except those in the mould loft), writers (except writers at Ropery and manufacturing writers at other Shops, whose pay should be charged thereto), acting Officers on day pay, Signalmen, Messengers, Postmen, Labourers, and Boys employed on general duties, not chargeable to any other detailed head of service; also petty stores used in connection with services on which these men are employed; but not including any expenses which could be charged to any specific ship or service: share of	-	5,613	59	5,672	1	-	1	5,671
Allowances for apprentices' instructors	-	543	-	543	-	-	-	543
Wages of apprentices whilst at school, and board wages to apprentices when sick	-	426	-	426	-	-	-	426
Hurt money, including half-pay of yard craft men when sick	-	1,407	-	1,407	-	-	-	1,407
Other miscellaneous charges	-	7,494	9,949	17,443	528	-	528	16,915
Docks, slips, and basins, including housings over docks and slips, sheds, workshops, caissons, timber racks, temporary roofs, and all other buildings; and waterworks for supplying the yard and for extinguishing fire; repairs, replacements, and maintenance of	7,976	-	-	7,976	-	-	-	7,976
Contingencies (Works and Repairs)	1,145	-	-	1,145	-	-	-	1,145
Ditto (Machinery)	45	-	-	45	-	-	-	45
Machinery for the general service of the yard and factory; cranes, capstans, steam hoists, &c.; repairs, replacements, and maintenance of	11,086	-	-	11,086	-	-	-	11,086
Salaries of Superintendent, Retinue, and Clerks: share of - " Master Attendant, Assistant to Master Attendant, Harbour Master, Master Sailmaker, Master Rigger, Master Rope-maker, Foreman of Rope-makers, Foreman of Line Spinners, Layer in the Rope Yard, and Clerks: share of - " Master Shipwright, Assistant Master Shipwright, Timber Inspector, Boatswain, Master Smith, Foremen, Converter of Timber, Inspectors, and Clerks: share of - " Chief Engineer and Inspector of Machinery, Assistant Engineer, Conductor of Metal Mills, Assistant Inspector of Steam Machinery, Foremen, Engineer and Millwright, and Clerks - " Storekeeper, Foreman of Storehouses, and Clerks: share of - " Accountant, Inspector of Stores, and Clerks: share of - " Cashier, Timekeeper, and Clerks: share of -	15,567	-	-	15,567	-	-	-	15,567

DEVONPORT DOCKYARD AND FACTORY.—No. 5—continued.

DETAILED ACCOUNT of Dockyard Charges incidental to Ship Building, Equipping, &c.—continued.

DETAILED HEAD OF CHARGE.	DEBITS.				CREDITS.			Net Amount Chargeable.
	Payments for Salaries, Rents, Contingencies, and other Charges.	Wages.	Materials Issued.	TOTAL.	Materials Returned.	Expense of Shipping Stores to other Yards, and other Credits.	TOTAL.	
	£.	£.	£.	£.	£.	£.	£.	£.
addition of 7 per cent. to the foregoing salaries, on account of the prospect of pensions on retirement to those dockyard officers who are entitled to the same	948	—	—	948	—	—	—	948
rents, rates, taxes, and water	809	—	—	809	—	—	—	809
lighting with gas	1,563	—	—	1,563	—	—	—	1,563
contingencies	1,000	—	—	1,000	—	—	—	1,000
ages, police force: share of	3,741	—	—	3,741	—	—	—	3,741
addition of 7 per cent. to the wages of established workmen, on account of the prospect of pensions on their retirement	8,492	—	—	8,492	—	—	—	8,492
TOTAL, Incidental and Establishment Charges, distributable <i>pro rata</i> on Wages, being at the rate of 58·08 per cent.	52,372	24,592	25,998	102,962	3,810	—	3,810	99,152
inding, surveying, receiving, depositing, and issuing timber	—	3,425	339	3,764	71	—	71	3,693
inding, surveying, receiving, depositing, and issuing stores	—	9,021	1,805	10,826	398	—	398	10,428
ntinuous Survey and Survey Valuation of Stock	—	92	1	93	—	—	—	93
ipping off timber and stores to other yards at home and abroad (including the cost of packing cases and casks <i>only</i> when new, and <i>only</i> at the yards shipping the stores)	—	1,257	412	1,669	—	—	—	1,669
reservation of timber, boats, and other stores	—	595	343	938	43	—	43	895
ages of crews of sailing lighters, sheer hulks, and small craft when not employed on services provided for under other specific heads in these Accounts	—	1,549	—	1,549	—	—	—	1,549
her miscellaneous charges	—	327	238	565	11	—	11	554
eight and sundry expenses connected with naval stores	945	—	—	945	—	—	—	945
expenses incurred at other yards, &c., shipping stores to Devonport	750	—	—	750	—	—	—	750
ost of manufactured produce in excess of Rate Book value	2,533	—	—	2,533	—	—	—	2,533
ost of manufactured produce less than Rate Book value	—	—	—	—	—	3,516	3,516	3,516
expenses incurred at Devonport shipping off stores to other yards	—	—	—	—	—	1,669	1,669	1,669
TOTAL, Incidental and Establishment Charges, distributable <i>pro rata</i> on Materials, being at the rate of 4·18 per cent.	4,228	16,266	3,138	23,632	523	5,185	5,708	17,924
etty stores for steam and sailing ships and vessels in the reserves, distributable <i>pro rata</i> to tonnage of ships in the reserves	—	50	647	697	20	—	20	677
TOTAL	56,600	40,908	29,783	127,291	4,353	5,185	9,538	117,753

DISTRIBUTION OF THE ABOVE.

	Amount.	Amount on which Charged.		Rate per Cent.
	£.	Page.	£.	£.
Amount distributable <i>pro rata</i> on Labour, charged direct to Ships	96,094	357	165,446	58·08
Amount on Materials issued to and returned from Ships	17,228	357	412,053	4·18
Amount on Tonnage of Ships in the Reserves	677	—	—	—
TOTAL due to Ships	113,999			
Amount distributable <i>pro rata</i> on Labour charged direct to other Branches of the Naval Service, other Departments of Government, Private Individuals, &c.	3,058	420	5,265	58·08
Amount on Materials issued to and returned from other Branches of the Naval Service, other Departments of Government, Private Individuals, &c.	696	420	16,641	4·18
TOTAL due to other Branches of the Naval Service, other Departments of Government, &c.	3,754			
GRAND TOTAL, Incidental and Establishment Charges	117,753			

DEVONPORT DOCKYARD AND FACTORY.

No. 6.

HARBOUR AND DOCKYARD NATIONAL CHARGES.

Cr.

Dr.

To INCOME ACCOUNT (p. 355):—		£.	£.	By INCOME ACCOUNT (p. 354):—		£.
For Amounts shown against the Services in the Detailed Account annexed, viz.:—				For Value of Materials returned into Store - - - - -		450
Salaries, &c. - - - - -	- - - - -	12,391				
Wages to Artificers, &c., including Wages, Yard Service Afloat, Hire of Teams and Extra Pay to Artificers of the Fleet - - - - -	- - - - -	19,304				
Wages, Police Force - - - - -	- - - - -	3,741				
Dredging Harbour not in connection with Dockyard - - - - -	- - - - -	3,550		By BALANCE ACCOUNT (p. 424):—		
Experimental Purposes (for Details, see p. 695) - - - - -	- - - - -	16		For Net Charge for the Year, being Proportion of Incidental and Establishment Charges not considered applicable to Ships - - - - -		44,837
Temporary Superintendence, &c. of Engineering and Architectural Works and Repairs - - - - -	- - - - -	776				
Estimated Current Charge for Deferred Annuities, on account of Pensions to Dockyard Officers - - - - -	- - - - -	789				
			40,567			
To CAPITAL ACCOUNT (p. 356):—						
For Value of Gross Issues of Stores, as per Detailed Account - - - - -			4,720			
		£.	45,287			£.
						45,287

DEVONPORT DOCKYARD AND FACTORY.—No. 6—continued.

DETAILED ACCOUNT of HARBOUR and DOCKYARD NATIONAL CHARGES.

DETAILED HEAD OF CHARGE.	DEBITS.				CREDITS.	Net Amount Chargeable.
	Payments for Salaries Rents, Contingencies, and other Charges.	Wages.	Materials Issued.	TOTAL.	Materials Returned.	
	£.	£.	£.	£.	£.	£.
Harbour and Dockyard Gear: viz., cables, pendants, chains, swivels, bridles, and buoys - - - - -	-	1,735	4,286	6,021	412	5,609
Moorings at other Ports - - - - -	-	100	102	202	7	195
Fire-engines, buckets, hoses, and other gear connected therewith: share of - - - - -	-	192	54	246	16	230
Preliminary arrangements for sale of surplus timber, &c. - -	-	111	-	111	-	111
Preliminary arrangements for sale of surplus stores - -	-	49	5	54	-	54
Dockyard chapel, chemical lecture room and laboratory, school for apprentices, police station and military guard room (labour and petty stores) - - - - -	-	51	203	254	13	241
Experimental services, chargeable to Vote 10, Sect. II., of Navy Estimates (for details, <i>see</i> p. 695) - - - - -	16	-	-	16	-	16
Wages of all single stationed men and boats' crews, to include draughtsmen (except those in the mould loft), writers (except writers at Ropery and manufacturing Writers at Shops, whose pay should be charged thereto), acting Officers on day pay, Signalmen, Messengers, Postmen, Labourers, and Boys employed on general duties, not chargeable to any other detailed head of service; also petty stores used in connection with services on which these men are employed, but not including any expenses which could be charged to any specific ship or service: share of - - - - -	-	5,614	58	5,672	1	5,671
Allowances for scholarships - - - - -	-	138	-	138	-	138
Holidays - - - - -	-	4,651	-	4,651	-	4,651
Wages of crews of steam tugs and mooring lighters, &c. when not employed on services provided for under other specific heads in these Accounts - - - - -	-	5,154	-	5,154	-	5,154
Other miscellaneous charges - - - - -	-	1,509	12	1,521	1	1,520
Salaries of Superintendent, Retinue, and Clerks: share of -	-	-	-	-	-	-
" Master Attendant, Assistant to Master Attendant, Harbour Master, Master Sailmaker, Master Rigger, Master Ropemaker, Foreman of Ropemakers, Foreman of Line Spinners, Layer in the Rope Yard, and Clerks: share of - - - - -	-	-	-	-	-	-
" Master Shipwright, Assistant to Master Shipwright, Timber Inspector, Boatswain, Master Smith, Foremen, Converter of Timber, Inspectors, and Clerks: share of - - - - -	-	-	-	-	-	-
" Storekeeper, Foremen of Storehouses, and Clerks: share of - - - - -	12,391	-	-	12,391	-	12,391
" Accountant, Inspector of Stores, and Clerks: share of - - - - -	-	-	-	-	-	-
" Cashier, Timekeeper, and Clerks: share of - - -	-	-	-	-	-	-
" Superintending Civil Engineer, Clerk of Works, Clerk and Accountant, Clerk and Draughtsman, and Foreman of Works - - - - -	-	-	-	-	-	-
" Surgeons and Assistant Surgeons - - - - -	-	-	-	-	-	-
" Chaplain, Schoolmaster, &c. - - - - -	-	-	-	-	-	-
Addition of 7 per cent. to the foregoing salaries, on account of the prospect of pensions on retirement to those dockyard officers who are entitled to the same - - - - -	789	-	-	789	-	789
Wages, police force: share of - - - - -	3,741	-	-	3,741	-	3,741
Dredging Harbour not in connection with Dockyard - -	3,550	-	-	3,550	-	3,550
Temporary superintendence, &c. of engineering and architectural works and repairs - - - - -	776	-	-	776	-	776
TOTAL Harbour and Dockyard National Charges - £.	21,263	19,304	4,720	45,287	450	44,837

No. 7.
DEPRECIATION AND APPRECIATION ACCOUNT.

Dr.

Cr.

To CAPITAL ACCOUNT (p. 352):—		£.	£.
For Value of Stores drawn from Stock on Survey:			
Timber	-	1,427	397
Stores	-	31,196	27,185
For Decrease in the Value of Stock on Annual Re-valuation:			
Timber	-	51,376	—
Stores	-		76,652
For Approximate Value of Stock found Deficient on Continuous Survey:			
Timber	-	1,397	2,775
Stores	-	4,865	6,057
For Value of Lost Articles recovered by the Police, &c.			22
			113,038
For Proceeds of Sale (Cash not shown in Stock Valuation Account):			
Timber	-	4,205	3,111
Stores	-	10,303	11,644
		104,769	14,755
By BALANCE ACCOUNT (p. 424):			
For Net Charge on Account of—			
Loss by Sales:			£.
Timber	-	-	1,094
Stores	-	-	—
Loss in the Value of Plant (Buildings)			24,510
		24,510	25,604
Less Gain by Surveys:			
Timber	-	-	348
Stores	-	-	22,407
Less Gain by Sales of Stores—			
by value of Articles recovered By Police, &c.	-	-	1,341
	-	-	22
			24,118
			1,486
		£.	£.
		129,279	129,279

DEVONPORT DOCKYARD AND FACTORY.

No. 8.

OTHER THAN DOCKYARD SERVICES—

Dr. Supplies to, or Work for, other Branches of the Naval Service, other Departments of Government, Foreign Governments, Private Individuals, &c. Cr.

To INCOME ACCOUNT (p. 356) :—		£.		By INCOME ACCOUNT (p. 354) :—		£.	
For Expenditure during the Year, viz. :—							
Wages to Artificers, &c., not chargeable to Vote 6	£.	5,253		For Value of Materials returned into Store			4,941
Ditto - - ditto - charged to Vote 6		245					
			5,498				
To CAPITAL ACCOUNT (p. 356) :—				By BALANCE ACCOUNT (p. 424) :—			
For Value of Gross Issues of Stores, as per Detailed Account			25,152	For Net Charge to Services for the Financial Year 1874-75, not pertaining to Dockyards			29,463
To DOCKYARD CHARGES INCIDENTAL TO SHIP BUILDING, EQUIPPING, &c. (p. 413) :—							
For Proportion of Incidental and Establishment Charges on Materials issued to, and returned from, and on Labour employed on account of other Branches of the Naval Service, other Departments of Government, Private Individuals, &c.			3,754				
						£.	34,404
			34,404				

DEVONPORT DOCKYARD AND FACTORY.—No. 8—continued.

DETAILED ACCOUNT of other than DOCKYARD SERVICES—Supplies to, or Work for, other Branches of the Naval Service, other Departments of Government, Foreign Governments, Private Individuals, &c.

DESCRIPTION (OF SERVICE.	DEBITS.				CREDITS.	Net Charge to Services not pertaining to Dockyards.
	Wages.	Materials Issued.	Per-centage and other Charges on Supplies, for use of Plant, &c., and other Charges.	TOTAL.	Materials Returned.	
	£.	£.	£.	£.	£.	£.
Repairs to Vessels, &c., damaged by Her Majesty's Ships and Vessels (Vote No. 14) - - - - -	13	5	-	18	1	17
Furniture for the residence and office of the Port Admiral, Secretary, &c. (Vote No. 14) - - - - -	12	40	-	52	-	52
Furniture for the residence of the Superintendent or other officer of the Dockyard and other Naval Establishments upon which per-centage is paid, viz. :						
Old Regulations - - - - -	-	4	-	4	-	-
New Regulations - - - - -	-	1,650	-	1,650	1,021	629
Plate, Linen, &c. supplied to Flag Officers in Command, and to Officers in Command of Her Majesty's Ships, on condition of its value being repaid - - - - -	-	1,403	-	1,403	731	672
New Machinery, &c. for Workshops and the general use of the Yard (Vote No. 11)—Dockyard or Factory Labour and Materials, when not chargeable to Contractors - - - - -	-	8,080	-	8,080	1,748	6,332
New Buildings, &c. (Vote No. 11)—Dockyard or Factory Labour and Materials, when not chargeable to Contractors - - - - -	-	135	-	135	7	128
Value of Stores supplied to, and Labour employed on account of, "Other Branches of the Naval Service," not chargeable to the Votes for Dockyard Services - - - - -	4,487	8,155	-	12,642	424	12,218
Value of Stores supplied to, and Labour employed on account of, "Other Departments of Government" - - - - -	9	200	-	209	1	208
Value of Stores supplied to, and Labour employed on account of, Foreign Governments - - - - -	275	343	-	618	54	564
Value of Stores supplied to, and Labour employed on account of, Private Individuals and Contractors for Vessels and New Works - -	457	1,645	-	2,102	833	1,269
Value of Stores supplied to, and Labour employed on account of, Coast Guard Stations on Shore - - - - -	245	3,492	-	3,737	121	3,616
Proportion of Incidental and Establishment Charges on Materials issued to, and returned from, and on Labour employed on account of other Branches of the Naval Service, other Departments of Government, Private Individuals, &c. - - - - -	-	-	3,754	3,754	-	3,754
£.	5,498	25,152	3,754	34,404	4,941	29,463

	Labour.	Materials.		
		Issued.	Returned.	Total (Issued and Returned)
	£.	£.	£.	£.
Total Amounts charged direct to Other than Dockyard Services - - - - -	5,498	25,152	4,941	30,091
Abate.—The Cost of Repairs, Replacements, and Maintenance of Docks, Slips, &c., and of Yard Machinery, &c. (Issues and Returns, excluding Labour) - - - - -	-	6,616	1,606	8,222
Abate.—The Value of Coals charged under the various Items of Other than Dockyard Services - - - - -	-	3,040	190	5,230
Abate.—The Wages of Men Superintending Ships Building by Contract, &c. - - - - -	1,609	-	-	1,609
	3,889	13,496	3,145	16,640
Add.—The Wages of Men employed on New Buildings, &c. for the Dockyard or Factory - - - - -	1,376	-	-	1,376
TOTAL Amounts upon which Incidental and Establishment Charges are distributed (see p. 415) - - - - -	£. 5,265	13,496	3,145	16,640

DEVONPORT DOCKYARD AND FACTORY.

No. 9.

CONVERSIONS.

Dr.	Cr.	
	£.	£.
To INCOME ACCOUNT (p. 355):— For Expenditure during the Year, viz.: Wages to Artificers, &c., including Hire of Teams	30,803	
To CAPITAL ACCOUNT (p. 356):— For Value of Gross Issues of Stores	244,196	
To DOCKYARD CHARGES INCIDENTAL TO SHIP BUILDING, EQUIPPING, &c. (p. 413):— For Excess of Value at which Manufactured Produce has been returned to Stock for subsequent Issue over the Cost thereof	3,516	
		2,538
		275,982
		278,515
		£.
		278,515

DEVONPORT DOCKYARD AND FACTORY.—No. 9—continued.

DETAILED ACCOUNT of CONVERSIONS.

NAME OF CONVERSION ACCOUNT.	DEBITS.			CREDITS.		
	Wages.	Materials Issued.	Excess of Value at which Produce is Returned over the Actual Cost.	Value of Manufactured Produce.	Value of other Returns.	Excess of Actual Cost over Value at which Produce is Returned.
	£.	£.	£.	£.	£.	£.
Saw Pits - - - - -	114	1,399	-	1,225	45	243
Saw Mills - - - - -	371	8,433	219	8,860	163	-
Ropery - - - - -	10,021	134,197	-	133,264	9,423	1,531
Rigging House - - - - -	1,974	10,911	-	12,331	514	40
Sail Loft - - - - -	1,241	6,715	161	7,302	815	-
Colour Loft - - - - -	226	982	200	1,385	23	-
Smithery - - - - -	1,548	8,988	659	10,250	945	-
Steam-Hammer Shop - - - - -	80	770	-	562	253	15
Capstan House - - - - -	242	796	-	784	238	16
Mast House - - - - -	525	1,275	1	1,513	288	-
Boat House - - - - -	1,071	3,720	-	4,265	525	1
Blockmakers' Shop - - - - -	147	730	180	1,050	7	-
Treenail House - - - - -	96	105	-	196	-	5
Oarmakers' Shop - - - - -	341	436	-	597	27	153
Oakum and Pitch-heating Houses, &c. - - - - -	116	846	-	942	2	18
Joiners' Shop - - - - -	859	1,632	70	2,476	85	-
Turners' Shop - - - - -	41	25	6	69	3	-
Wheelwrights' Shop - - - - -	24	30	-	52	1	1
Locksmiths' and Braziers' Shops - - - - -	123	572	60	743	12	-
Hosemakers' Shop - - - - -	255	2,337	22	2,566	48	-
Plumbers' Shop - - - - -	21	232	59	310	2	-
Painters' Shop - - - - -	114	2,466	-	2,571	2	7
Coppersmiths' Shop - - - - -	44	141	26	210	1	-
Galvanizing Shop - - - - -	365	1,483	281	1,740	389	-
Boiler Smithery - - - - -	48	707	58	669	144	-
Engine Smithery - - - - -	13	1,288	3	26	1,278	-
Iron Foundry - - - - -	1,831	2,488	-	3,846	31	442
Brass Foundry - - - - -	1,956	17,852	898	20,167	539	-
Coppersmiths' Shop - - - - -	268	1,521	-	1,176	563	50
Fitting Shops - - - - -	926	3,823	121	4,312	558	-
Boiler Shop - - - - -	5,719	24,697	410	20,866	9,960	-
Steam-Hammer Shop - - - - -	64	871	82	419	598	-
Pattern Shop - - - - -	13	1,513	-	34	1,491	1
Paint Shop - - - - -	6	213	-	202	7	10
Rivet Shop - - - - -	-	2	-	-	2	-
£.	30,803	244,196	3,516	247,000	28,982	2,533
Dr. - £. 278,515.				Cr. - £. 278,515.		

Note.—For Details of Manufactures at each Shop, see Manufacturing Accounts for 1874-75 (Parliamentary Paper, No. 182, Session 1876).

DEVONPORT DOCKYARD AND FACTORY.

0.1.

No. 10.

Dr.

OTHER YARDS.

Cr.

To CAPITAL ACCOUNT (p. 356):—		£.	£.	By INCOME ACCOUNT (p. 354):—		£.	£.
For Value of Gross Issues of Stores, per Bills of Lading, to be accounted for at the following Yards, viz.:—				For Value of Stores received, per Bills of Lading, from—			
Deptford	-	3,705		Deptford	-	5,159	
Chatham	-	27,739		Chatham	-	21,497	
Sheerness	-	2,290		Sheerness	-	3,140	
Portsmouth	-	39,392		Portsmouth	-	6,981	
Pembroke	-	2,904		Pembroke	-	2,372	
Haulbowline	-	2,295		Haulbowline	-	1,482	
Foreign Yards from which no Expense Accounts are received	-	7,050		Foreign Yards	-	2,199	
			85,375				42,830
To DOCKYARD CHARGES INCIDENTAL TO SHIP BUILDING, EQUIPPING, &c. (p. 413):—				By DOCKYARD CHARGES INCIDENTAL TO SHIP BUILDING, EQUIPPING, &c. (p. 412):—			
For Cost of Shipment of Stores to the following Yards, to be there accounted for, viz.:—				For Proportion of the Cost of Shipment, at the following Yards, of Stores received at Devonport Yard, viz.:—			
Deptford	-	72		Deptford	-	182	
Chatham	-	542		Chatham	-	226	
Sheerness	-	45		Sheerness	-	16	
Portsmouth	-	770		Portsmouth	-	261	
Pembroke	-	57		Pembroke	-	43	
Haulbowline	-	45		Haulbowline	-	4	
Foreign Yards from which no Expense Accounts are received	-	138		Foreign Yards	-	18	
			1,669				750
				By BALANCE ACCOUNT (p. 424):—			
				For Surplus of Issues to over Receipts from other Yards, including Cost of Shipment			
			87,044				43,580
							43,464
							87,044

313

No. 11.

BALANCE ACCOUNT.

Dr.

Cr.

To INCOME ACCOUNT (p. 355):—		£.	£.
For adjusting Entries on account of Value of Stores taken on charge by Storekeeper prior to this Financial Year, but paid for in this Year		6,778	632,754
For Payments to the Exchequer of Proceeds of Sale of Old Stores, &c.		14,755	10,229
		21,533	
To CAPITAL ACCOUNT (p. 356):—		£.	£.
For Value of Coals issued to Ships for Steaming purposes and Wages for Coaling		18,373	14,350
For Value of Materials issued to Contractors for Re-manufacture, &c.		447	5,253
		18,820	6,338
For Balance carried to next Year's Account, viz.:—		£.	£.
Value of Land	Page of Detailed Statement.	89,800	
" Buildings	676	2,426,272	
" Machinery	676	312,883	
" Stock	685	753,533	
		3,582,488	
To SHIPS (p. 357):—		£.	£.
For Net Expenditure charged to Ships in the Year		521,958	20,163
			689,087
To HARBOUR and DOCKYARD NATIONAL CHARGES (p. 416):—		£.	£.
For Net Expenditure in the Year		44,837	
To DEPRECIATION and APPRECIATION ACCOUNT (p. 418):—		£.	£.
For Net Charge in the Year		1,486	89,800
			2,446,952
			303,395
			734,815
			3,574,962
To OTHER THAN DOCKYARD SERVICES (p. 419):—		£.	£.
For Net Charge to Services not pertaining to Dockyards		29,463	
To OTHER YARDS (p. 423):—		£.	£.
For Value of Stores issued to other Yards, &c., including Cost of Shipment		87,044	43,580
		4,307,629	4,307,629
By INCOME ACCOUNT (pp. 352 and 354):—		£.	£.
For Expenditure, per Savings and Deficiencies Account, Votes, 6, 10, and 11			632,754
Vote 16:—For Estimated Current Charge for Deferred Annuities			10,229
For adjusting Entry, principally consisting of the Value of Stores paid for by other Departments, &c., and consequently not appearing as a final Financial Charge to Vote 10, Sect. I.			14,350
For Amounts for Services other than those pertaining to Dockyards			5,253
For Stores taken on charge by Storekeeper, and debited to the Stock up to the last day of the Financial Year, but not paid for in the Year			6,338
For Payments made last Year for Sets of Boilers received but not taken on charge by the Storekeeper, the same being charged to the respective Ships at the Admiralty			20,163
			689,087
By CAPITAL ACCOUNT (p. 350):—		£.	£.
For Balance from last Year, as per Detailed Account, viz.:—	Page of Detailed Statement.		
Value of Land	676		89,800
" Buildings	676		2,446,952
" Machinery	676		303,395
" Stock	685		734,815
			3,574,962
By OTHER YARDS (p. 423):—		£.	£.
For Value of Stores received from other Yards, &c., including Cost of Shipment			43,580
			4,307,629

DEVONPORT DOCKYARD AND FACTORY.

ADDENDUM TO THE DETAILED SHIP ACCOUNT.

EXPENDITURE incurred on the undermentioned Vessels, and not included in the Detailed Ship Account of the Yard, pages 358 to 411, the Expense being chargeable to Naval Votes other than 6 and 10, or to "Other Departments of Government."

NAME OF SHIP.	Number of Guns.	Horse Power.	Tonnage.	PERIODS within which the Expense was incurred.		Detailed Head of Charge.	Value of Materials Issued.	Wages.	Gross Total.	Value of Materials Returned.	Net Total.	REMARKS.
				From	To							
CHARGEABLE against the OWNERS of STEAM SHIP "BENGALÉE," ACCOUNT No. 88, SECT. B., ITEM 9:												
SHAMROCK (Iron Screw Tug and Tank Vessel) Tender to "Revenge."	-	162	101	23 Mar. 1874	28 Mar. 1874	Hull - - - - Engines and Engineers' Fittings.	£. 62	£. 116	£. 178	£. 7	£. 171	Repairing damage in Lady quarter 1874, occasioned by collision with the Steam Ship "Bengalée."
						Hull - - - -	-	9	9	-	9	
							-	-	-	6	6	

PEMBROKE DOCKYARD.

I N D E X.

	PAGE.
Statement connecting Navy Estimates and Expense Accounts - - -	428
General Balance Sheet - - - - - No. 1 - -	430
Income Account - - - - - No. 2 - -	432
Capital Account - - - - - No. 3 - -	436
Ships Account - - - - - No. 4 - -	437
Account of Dockyard Charges incidental to Ship Building, Equipping, &c. - - - - - No. 5 - -	444
Harbour and Dockyard National Charges Account - - No. 6 - -	448
Depreciation and Appreciation Account - - - - - No. 7 - -	450
Account of other than Dockyard Services - - - - - No. 8 - -	451
Conversions Account - - - - - No. 9 - -	453
Account of Supplies to, and Receipts from, other Yards - - No. 10 - -	455
Balance Account - - - - - No. 11 - -	456

PEMBROKE DOCKYARD.

STATEMENT showing the Total Amounts granted and the Total Amounts expended for the NAVY under each VOTE as they appear in the published RETABULATION of the STATEMENT of the SURPLUSES and DEFICITS on the NAVY GRANTS, No. 183, of Session 1876; also, Portion of Division 1 appertaining to PEMBROKE YARD (pp. 592 to 597 of Report).

Number of Vote.	TITLE OF VOTE.	Division 1. NAVAL YARDS.				Number of Vote.	Portion of Division 1 appertaining to PEMBROKE.			
		Expenditure.		Grant.			Expenditure.		Grant.	
			£.		£.			£.		£.
6	DOCKYARDS AND NAVAL YARDS AT HOME AND ABROAD - - - - - }	Page in Retabulation of Navy Statement of the Surpluses and Deficits. 14	1,253,610	Page in Retabulation of Navy Statement of the Surpluses and Deficits. 14	1,253,326	6	Page in Retabulation of Navy Statement of the Surpluses and Deficits. 15	107,566	Page in Retabulation of Navy Statement of the Surpluses and Deficits. 15	107,703
10	NAVAL STORES FOR THE BUILDING, REPAIR, AND OUTFIT OF THE FLEET AND COAST GUARD, STEAM MACHINERY, AND SHIPS BUILT BY CONTRACT:									
	SECT. I.—NAVAL STORES - - - - - }	14	1,378,383	14	1,175,159	10, Sect. I.	15	128,009	15	92,059
	SECT. II.—STEAM MACHINERY AND SHIPS BUILT BY CONTRACT - - - }	14	823,657	14	828,679	10, Sect. II.	15	29,200	15	46,400
11	NEW WORKS, BUILDINGS, MACHINERY, AND REPAIRS - - - - - }	14	502,671	14	579,209	11	15	14,784	15	12,877
	TOTAL VOTES 6, 10, AND 11 - - -	14	3,958,321	14	3,836,373	- -	15	279,559	15	259,039
16	SECT. II.—CIVIL PENSIONS AND ALLOW- ANCES - - - - - }	14	167,125	14	162,899	16, Sect. II.	-	4,260	-	4,260
	TOTAL Division 1, NAVAL YARDS - - £.		4,125,446	14	3,999,272					
TOTAL Portion of Division 1, appertaining to PEMBROKE - - £.								283,819	-	263,299

** To meet the Estimated Current Charge for Deferred Annuities, equal to 7 per cent. on the Salaries to Dockyard Officers, and on the Total Wages paid in the Year to Established Workmen, on account of the prospect of Pensions on their Retirement; see Paper from the Actuary of the National Debt, page viii* of Parliamentary Paper, No. 454, of Session 1867.

In the Retabulation of the Statement of the Surpluses and Deficits, the whole amount against Vote 16, Sect. II., chargeable to Division 1, "Naval Yards," is shown under Column "Other than Yards." In this Account, however, the amount for Pembroke has been calculated in accordance with the principle laid down by the Actuary of the National Debt (see Note above).

† The amounts inserted in the "Grant" columns for the several Yards are the same as the calculated Expenditure.

Supplementary Estimates are included in the amounts appearing in the "Grant" columns.

H. WALKER,
Accountant General of the Navy,
and Comptroller of Navy Pay.

No. 1.
EXPENSE ACCOUNTS.

PEMBROKE DOCKYARD.

ANNUAL BALANCE SHEET of SHIP BUILDING and other DOCKYARD
TRANSACTIONS in Financial Year 1874-75.

No. EXPENSE

PEMBROKE

ANNUAL BALANCE SHEET of SHIP-BUILDING and

Dr.

For Details, see separate

To Amounts Paid, as per Statement of the Surpluses and Deficits, under the following Votes, and shown in the Income Account, viz. :—	Page	£.
VOTE No. 6 :		
Salaries, &c. - - - - -	432	9,616
Rents, Rates, Taxes, and Water - - - - -	432	66
Lighting with Gas - - - - -	432	845
Contingencies - - - - -	432	671
Wages to Artificers, &c. - - - - -	432	92,306
Wages, Yard Service Afloat - - - - -	432	884
Hire of Teams - - - - -	432	892
Wages, Police Force - - - - -	432	2,250
Extra Pay to Artificers of the Fleet - - - - -	432	36
TOTAL VOTE No. 6 - - - - -	432	107,566
VOTE No. 10, Section I. :		
Naval Stores, &c. - - - - -	432	128,009
VOTE No. 10, Section II. :		
Steam Machinery, &c. - - - - -	432	29,200
VOTE No. 11 :		
New Works, &c.—Buildings, Docks, &c. :		
Additions - - - - -	432	2,050
Repairs, Replacements, &c. - - - - -	432	4,775
Other New Works, the Details of which are shown in the Income Account - - - - -	432	389
New Works, &c.—Machinery :		
Additions - - - - -	432	3,414
Repairs, Replacements, &c. - - - - -	432	4,156
TOTAL VOTES, Nos. 6, 10, and 11 (actual Money paid) - - - £.	432	279,559
†Vote No. 16, Estimated Amounts as charged to Ships and Services	432	4,260
TOTAL VOTES, Nos. 6, 10, 11, and Estimated Amount of } - £. Vote 16, being Total Debit from Parliamentary Votes }	-	283,819
To Receipts from other Yards, including Cost of Shipment - - -	455	12,687
For adjusting Entry, principally consisting of the Value of Stores paid for by other Departments, &c., and consequently not appearing as a final Financial Charge to Vote 10, Sect. I. - - -	432	12,416
To Amounts for Services other than those pertaining to Dockyards - - -	434	1,336
To adjusting Entry on account of the Value of Materials taken on charge by the Storekeeper, and debited to Stock up to the last day of the Financial Year, but not paid for in the Year - - -	434	439
For adjusting Entry on account of Payments made last Year out of Vote 10, Sect. I., for Armour Plates received and placed on Store-keeper's Charges in this Year - - -	434	49,543
To Value of Land on 21st March 1874 - - - - -	676	3,110
To Value of Buildings on 21st March 1874 - - - - -	676	673,430
To Value of Machinery on 21st March 1874 - - - - -	676	80,417
To Value of Stock on 21st March 1874 - - - - -	685	208,959
TOTAL - - - £.		1,328,156

† To meet the Estimated Current Charge for Deferred Annuities, equal to 7 per cent. on the Salaries to Dockyard Officers, and on the Total Wages paid in the Year to Established Workmen, on account of the prospect of Pensions on their Retirement; see Paper from the Actuary of the National Debt, page viii* of Parliamentary Paper, No. 454, of Session 1867.

1.

A C C O U N T S.

DOCKYARD.

other DOCKYARD TRANSACTIONS in Financial Year 1874-75.

Accounts (Nos. 2 to 11).

Cr.

	Page	£.
By Expenditure under the following Heads, as per Detailed Ship Account, viz.:—		
Ships Building and Completing for Sea Service - - -	443	355,609
Maintaining Ships in Commission - - - - -	443	442
Hulks, repairing, &c. - - - - -	443	4
Steam Tugs, Yard Craft, Coal Depôts, &c., Building, Fitting, Refitting, &c. - - - - -	443	243
		356,298
By Coals, and Wages for Coaling Steam Ships - - - - -	456	229
By Value of Materials issued to Contractors for Re-manufacture -	436	51
By Net Expenditure for Harbour and Dockyard National Services -	448	11,013
By Net Charge to Depreciation Account - - - - -	450	9,848
By Net Expenditure for Services other than those pertaining to Dockyards - - - - -	451	3,781
By Payments to Exchequer of Proceeds of Sale of Old Stores, &c. -	435	3,293
By Issues to other Yards, including Cost of Shipment - - -	455	5,105
By adjusting Entry for Stores paid for in the Year, but taken on Charge and included in Value of Stock in the preceding Year - - -	435	1,270
By adjusting Entry on account of Payments made in the Year for Armour Plates, which were not received up to the last day of the Financial Year - - - - -	435	3,300
By Value of Land on 20th March 1875 - - - - -	676	3,110
By Value of Buildings on 20th March 1875 - - - - -	676	668,730
By Value of Machinery on 20th March 1875 - - - - -	676	83,831
By Value of Stock on 20th March 1875 - - - - -	685	176,297
TOTAL - - - £.		1,326,156

H. WALKER,
Accountant General of the Navy, and
Comptroller of Navy Pay.

PEMBROKE

No.

INCOME

Dr.

To BALANCE ACCOUNT (p. 456):

For Amounts which have come in course of Payment, in the Financial Year, under the following Votes of the Naval Estimates appertaining to Pembroke Dockyard, as per Statement of the Surpluses and Deficits, viz. :—

VOTE No. 6:

	£.
Salaries, &c. + - - - - -	9,616
Rents, Rates, Taxes, and Water - - - - -	66
Lighting with Gas - - - - -	845
Contingencies - - - - -	671
Wages to Artificers, &c. - - - - -	92,306
Wages, Yard Service Afloat - - - - -	884
Hire of Teams - - - - -	892
Wages of Police Force - - - - -	2,250
Extra Pay to Artificers of the Fleet - - - - -	36

107,566

VOTE No. 10, Section I.:

Timber, Masts, Deals, &c. - - - - -	23,155
Metals and Metal Articles - - - - -	95,970
Coals and other Fuel - - - - -	6,236
Hemp, Canvas, &c. - - - - -	88
Paint Materials, Oil, Pitch, &c. - - - - -	2,543
Freight and sundry Expenses connected with Naval Stores - - - - -	17

128,009

VOTE No. 10, Section II.:

Payments for Marine Engines, &c., delivered at Pembroke Yard, not included in the Stock Valuation Account, being charged in the Books at the Admiralty to the Ship for which the Machinery, &c. was purchased

29,200

VOTE No. 11:

New Works, &c.—Land, Buildings, Docks, &c., viz. :—	£.
Additions - - - - -	2,050
Repairs, Replacements, &c. - - - - -	4,775
Dredging Harbour in connection with Dockyard	£. 43
Temporary Superintendence, &c. of Engineering and Architectural Works and Repairs - - -	346
	389
New Works—Machinery:	
Additions - - - - -	3,414
Repairs, Replacements, &c. - - - - -	4,156

14,784

279,559

Vote No. 16.—For Estimated Current Charge for Deferred Annuities, equal to 7 per Cent. on the Salaries to Dockyard Officers, and on the Total Wages paid in the Year to Established Workmen, on account of the prospect of Pensions on their Retirement; see Paper from the Actuary of the National Debt, page viii* of Parliamentary Paper, No. 454, of Session 1867 - - - - -

4,260

For adjusting Entry, principally consisting of the Value of Stores paid for by other Departments, &c., and consequently not appearing as a final Financial Charge to Vote 10, Sect. I. - - - - -

12,416

Carried forward - - - £.

296,235

DOCKYARD.**2.****A C C O U N T.****Cr.**

	£.	£.
By SHIPS (p. 437):		
For Amount charged direct, viz.:—		
Wages to Artificers, &c., including Wages, Yard Service Afloat, Hire of Teams, and Extra Pay to Artificers of the Fleet - - - - -	80,356	
Payments for Marine Engines, &c., delivered at Pembroke Yard, not included in the Stock Valuation Account, being charged in the Books at the Admiralty to the Ship for which the Machinery was purchased - - - - -	29,200	
		109,556
By CAPITAL ACCOUNT (p. 436):		
For Value of Stores taken on charge during the Year as received from Contractors	185,820	
For - ditto - as returned from Ships - - - - -	6,697	
For - ditto - as returned from Services incidental to Ship Building, Equipping, &c. - - - - -	1,124	
For - ditto - as returned from Harbour and Dockyard National Services -	26	
For - ditto - as returned from Depreciation and Appreciation of Stock, including difference consequent upon the Annual Valuation of Stock - - - - -	12,887	
For - ditto - taken on charge during the Year, as received from other than Dockyard Services - - - - -	1,561	
For - ditto - from Conversions - - - - -	6,568	
For - ditto - from other Yards - - - - -	12,447	
		227,130
For Additions to Buildings, Docks, &c. - - - - -	2,050	
For Additions to Machinery - - - - -	3,414	
		5,464
By DOCKYARD CHARGES INCIDENTAL TO SHIP BUILDING, EQUIPPING, &c. (p. 444):		
For Amount charged on account of the undermentioned Services, viz.:—		
Salaries, &c. - - - - -	5,160	
Rents, Rates, Taxes, and Water - - - - -	66	
Lighting with Gas - - - - -	845	
Contingencies - - - - -	671	
Wages to Artificers, &c., including Wages, Yard Service Afloat, Hire of Teams, and Extra Pay to Artificers of the Fleet - - - - -	8,339	
Wages, Police Force - - - - -	1,125	
Freight and Sundry Expenses connected with Naval Stores - - - - -	17	
Estimated Current Charge for Deferred Annuities on Account of Pensions to Dockyard Officers and Established Workmen - - - - -	3,972	
Repairs, Replacements, &c. of Buildings, Docks, &c. - - - - -	4,775	
Dredging Harbour in connection with Dockyard - - - - -	43	
Repairs, Replacements, &c. of Machinery - - - - -	4,156	
		29,169
Carried forward - - - £.		371,319

Dr.

PEMBROKE DOCKYARD.

		£.
Brought forward - - -		296,235
To BALANCE ACCOUNT (p. 456):		
For Amount paid by Cashiers of Her Majesty's Dockyards to Artificers, &c., hired for performance of Work other than that relating to Dockyard Services, and charged direct to those Services in the Admiralty Ledger, and not appearing as a Charge to Vote No. 6 in the Statement of the Surpluses and Deficits, viz. :—		
		£.
Other Naval Votes not relating to Dockyard Services - - - - -	1,190	
Other Departments of Government - - - - -	38	
Foreign Governments - - - - -	45	
Private Individuals - - - - -	63	
		1,336
For adjusting entry on account of the Value of Materials taken on charge by the Storekeeper, and debited to Stock, up to the last day of the Financial Year, but not paid for in the Year - -		439
For adjusting entry on account of Payments made last Year out of Vote 10, Sect. I., for Armour Plates received and taken on charge by the Storekeeper in this Year - - - - -		49,543
To SHIPS (p. 437):		
For Value of Materials returned into Store - - - - -		6,697
To DOCKYARD CHARGES INCIDENTAL TO SHIP BUILDING, EQUIPPING, &c. (p. 445):		
For Value of Materials returned into Store - - - - -		1,124
To HARBOUR AND DOCKYARD NATIONAL CHARGES (p. 448):		
For Value of Materials returned into Store - - - - -		26
To DEPRECIATION AND APPRECIATION ACCOUNT (p. 450):		
For Value of Stores returned to Stock after Survey :		£.
Timber - - - - -	565	
Stores - - - - -	1,484	
For Increase in the Value of Stock on Annual Re-valuation :		£.
Timber - - - - -	—	
Stores - - - - -	6,085	
For Approximate Value of Stock found Surplus on Continuous Survey :		
Timber - - - - -	4,612	
Stores - - - - -	140	
For Value of Lost Articles recovered by the Police, &c. - - -		1
		12,887
For Proceeds of Sale (Cash not shown in Stock Valuation Account):		
Timber - - - - -	2,410	
Stores - - - - -	883	
		3,293
		16,180
To OTHER THAN DOCKYARD SERVICES (p. 451):		
For Value of Materials returned into Store - - - - -		1,561
To CONVERSIONS (p. 453):		
		£.
For Value of Manufactured Produce returned into Store - - - - -	6,195	
For Value of Unconsumed Material and Work in hand at the end of the Year - -	373	
		6,568
To OTHER YARDS (p. 455):		
For Value of Stores received from other Yards - - - - -		12,447
		£.
		392,156

No. 2.—INCOME ACCOUNT—continued.

Cr.

		£.	
	Brought forward - - -		371,319
By HARBOUR AND DOCKYARD NATIONAL CHARGES (p. 448):			
For Amount charged on account of the undermentioned Services, viz.:—		£.	
Salaries, &c. - - - - -		4,456	
Wages to Artificers, &c., including Wages, Yard Service Afloat, Hire of Teams, and Extra Pay to Artificers of the Fleet - - - - -		4,375	
Wages, Police Force - - - - -		1,125	
Temporary Superintendence, &c. of Engineering and Architectural Works and Repairs - - - - -		346	
Estimated Current Charge for Deferred Annuities on account of Pensions to Dockyard Officers - - - - -		288	
			10,590
By OTHER THAN DOCKYARD SERVICES (p. 451):			
For Expenditure during the Year, viz.:—			
Wages to Artificers, &c., not chargeable to Vote 6 - - - - -		1,336	
Ditto - - ditto - charged to Vote 6 - - - - -		3	
			1,339
By CONVERSIONS (p. 453):			
For Expenditure during the Year, viz.:—			
Wages to Artificers, &c., including Hire of Teams - - - - -			958
By BALANCE ACCOUNT (p. 456):			
		£.	
For adjusting entry on account of the Value of Material taken on charge by Store-keeper prior to this Financial Year, but paid for in this Year - - - - -		1,270	
For adjusting entry on account of Payments made in this Year for Armour Plates, which were not received up to the last day of the Financial Year - - - - -		3,300	
For Wages paid for issuing Coals to Ships for Steaming Purposes - - - - -		87	
For Payments to Exchequer of Proceeds of Sale of Old Stores, &c. - - - - -		3,293	
			7,950
		£.	392,156

PEMBROKE DOCKYARD.

No. 4.

SHIPS.

Cr.

Dr.

To INCOME ACCOUNT (p. 433):

For Amounts charged direct to Ships, as per Detailed Account,

viz.:

Wages to Artificers, &c., including Wages, Yard Service Afloat,
Hire of Teams, and Extra Pay to Artificers of the Fleet -

Payments for Marine Engines, &c., delivered at Pembroke
Yard, not included in the Stock Valuation Account, being
charged in the Books at the Admiralty to the Ship for which
the Machinery was purchased -

£.

80,356

29,200

£.

109,556

By INCOME ACCOUNT (p. 434):

For Value of Materials returned into Store -

£.

6,697

To CAPITAL ACCOUNT (p. 436):

For Value of Gross Issues of Stores -

215,701

By BALANCE ACCOUNT (p. 456):

For Net Expenditure during the Year -

356,298

To DOCKYARD CHARGES INCIDENTAL TO SHIP BUILDING, EQUIPPING, &c. (pp. 445 and 447):

For Amount of General Expenditure charged *pro rata* to the Sub-Heads of Ships
Building, Repairing, &c., as follows:

	Direct Charges.	Amount of Indirect Charges.	Rate per Cent.
On Labour -	£. 80,356	£. 34,958	£. 43.50
On Materials issued -	222,398	2,780	1.25
On " returned -			
	£. 37,738	£. 37,738	
			£. 37,738
			£. 362,995

PEMBROKE DOCKYARD.—No. 4.—SHIPS—continued.

DETAILED SHIP ACCOUNT, showing the Amount of WAGES Paid, the Value of MATERIALS Issued and Returned, &c., on account of each SHIP and VESSEL appearing under the various Sub-Heads of SHIPS Building, Repairing, &c, during the Year ended 20th March 1875.

No. 1.—SHIPS BUILDING AND COMPLETING FOR SEA SERVICE.

Note.—The Figures printed in *Italics* in the Money Columns show the Amount of Net Credits for Stores, &c. returned.

Note.—The Figures printed in *Italics* in the Money Columns show the Amount of Net Credits.

NAME OF SHIP.	Number of Guns.	Horse Power.	Tonnage.	PERIODS within which the Expense was incurred.		Detailed Head of Charge.	Value of Materials Issued.	Wages.	Payments to Contractors, &c. Made and Allowed at Admiralty.	Gross Total, excluding incidental and Establishment Charges.	Value of Materials Returned.	Net Total, excluding incidental and Establishment Charges.	Incidental and Establishment Charges.	Total Expense, inclusive of incidental and Establishment Charges.	REMARKS.
				From	To										
				IRON CLADS BUILT IN HER MAJESTY'S DOCKYARDS:											
DREADNOUGHT (Late "Fury.")	4	1,000 (8,000)	5,030 (40,950)	23 Mar. 1874	20 Mar. 1875	Hull - - - -	£. 126,847	£. 35,988	£. —	£. 162,785	£. 3,507	£. 159,278	£.	£.	Building 1,560 tons weight of Hull during the year. Launched 8th March 1875. * On account of the Machinery.
						Engines and Engineers' Fittings.	86	78	19,200*	19,364	—	19,364	—	—	
						Boilers and Engineers' Fittings.	223	53	—	276	—	276	—	—	
						Total - - - £.	309	131	19,200	19,640	—	19,640	—	—	
						Engines and Engineers' Fittings.	—	84	—	34	—	34	—	—	
SHANNON	9	(3,500)	(5,703)	23 Mar. 1874	20 Mar. "	Hull & Masts and Yards - -	79,423 354	42,127 57	—	121,550 411	2,593 —	118,957 411	—	—	Expense in connection with taking the weight of the Machinery.
						Total - - - £.	79,777	42,184	—	121,961	2,593	119,368	—	—	
						Engines and Engineers' Fittings.	—	1	10,000*	10,001	—	10,001	—	—	
						Boilers and Engineers' Fittings.	126	102	—	223	5	223	—	—	
						Total - - - £.	126	103	10,000	10,229	5	10,224	—	—	
THUNDERER	4	800 (5,600)	4,407 (9,788)	15 Mar. 1875	20 Mar. "	Hull - - - -	7	16	—	23	—	23	—	—	Pitch chain supplied whilst Ship was completing at Portsmouth.
						Engines and Engineers' Fittings.	206,277 354	78,081 57	—	284,358 411	6,100 —	278,258 411	—	—	
						Masts and Yards - -	—	—	—	—	—	—	—	—	
						TOTAL - - - £.	206,631	78,138	—	284,769	6,100	278,669	—	—	
						Engines and Engineers' Fittings.	86	113	29,200	29,399	—	29,399	—	—	
TOTAL						£.	£.	£.	£.	£.	£.	£.	£.	£.	See Abstract (p. 443).
TOTAL						£.	£.	£.	£.	£.	£.	£.	£.	£.	£.

NOT IRON CLAD:			15 June 1874	20 Mar. 1875	Hull	- - -	8,110	1,617	-	9,727	335	9,392	-	Building 48 tons weight of Hull.
EMERALD	- - 14	(2,100)	15 June 1874	20 Mar. 1875	Hull	- - -	8,110	1,617	-	9,727	335	9,392	-	Building 48 tons weight of Hull.
GARNET	- - 14	(2,100)	22 June "	27 June 1874	Hull	- - -	-	5	-	5	-	5	-	Copying drawings.
MALLARD	- - 4	(360)	20 July "	25 July "	Hull	- - -	-	3	-	3	-	3	-	- ditto.
MOORHEN	- - 4	(360)	20 July "	25 July "	Hull	- - -	-	2	-	2	-	2	-	- ditto.
SHELDRAKE	- - 4	(360)	20 July "	25 July "	Hull	- - -	-	3	-	3	-	3	-	- ditto.
					(Hull	- - -	46	90	-	136	157	21	-	Building two tons weight of Hull. This Vessel was completed for Service at Portsmouth Yard. Returns partly from previous expenditure.
					Rigging and Stores	-	3	-	-	3	-	3	-	
					Total - - - £.	-	49	90	-	139	157	48	-	
					Engines and Engineers' Fittings.	-	-	8	-	8	-	8	-	
					Boilers and Engineers' Fittings.	-	-	9	-	9	-	9	-	
					Total - - - £.	-	-	17	-	17	-	17	-	
					(Hull	- - -	8,156	1,720	-	9,876	492	9,384	-	See Abstract (p. 443).
					Rigging and Stores	-	3	-	-	-	3	-	-	
					TOTAL - - - £.	-	8,159	1,720	-	9,879	492	9,387	-	
					Engines and Engineers' Fittings.	-	-	8	-	8	-	8	-	
					Boilers and Engineers' Fittings.	-	-	9	-	9	-	9	-	
					TOTAL - - - £.	-	-	17	-	17	-	17	-	

PEMBROKE DOCKYARD.—No. 4.—DETAILED SHIP ACCOUNT—continued.

No. 2.—WEAR AND TEAR AND MAINTENANCE OF THE FLEET, IN COMMISSION AND IN RESERVE, including REPAIRS, REFITS, ALTERATIONS, WORKS rendered necessary by NEW ARMAMENTS, and the RENEWAL of WORN-OUT and PERISHABLE STORES, such as RIGGING, ROPE, SAILS, BLOCKS, &c.

NAME OF SHIP.	PERIODS within which the Expense was incurred.		Tonnage.	Horse Power.	Number of Guns.	Detailed Head of Charge.	Value of Materials Issued.	Wages.	Payments to Con- tractors, &c. Made and Allowed at Admiralty.	Gross Total, excluding Incidental and Estab- lishment Charges.	Value of Materials Returned.	Net Total, excluding Incidental and Estab- lishment Charges.	Incidental and Estab- lishment Charges.	Total Expense, inclusive of Incidental and Estab- lishment Charges.	REMARKS.	
	From	To														
IRON CLADS BUILT BY CONTRACT:																
IN COMMISSION:																
TRIUMPH -	14	800 (4,892)	3,893 (6,660)			Rigging and Stores	3	—	—	3	—	3	—	—	Casual supplies.	
IRON CLADS BUILT IN HER MAJESTY'S DOCKYARDS:																
IN COMMISSION:																
CALEDONIA -	24	1,000 (4,538)	4,125 (6,832)			Rigging and Stores	10	—	—	10	—	10	—	—	Casual supplies.	
DEVASTATION -	4	800 (6,649)	4,407 (9,190)			Rigging and Stores	5	—	—	5	—	5	—	—	ditto.	
SULTAN -	12	1,200 (8,629)	5,234 (9,286)			Rigging and Stores	3	—	—	3	—	3	—	—	ditto.	
TOTAL - - - - -																
Rigging and Stores - £.							18	—	—	18	—	18	See Abstract (p. 443).			
NOT IRON CLAD:																
IN COMMISSION:																
DEDALUS -	13	—	1,082 (1,447)			Rigging and Stores	—	—	—	—	8	8	—	—	Casual returns.	
{ Hull - - - - - Rigging and Stores - -							4	5	—	9	3	6	{ - - - - -			Casual repairs, supplies, and returns.
							1	2	3	5	2					
Total - - - £.							5	7	—	12	8	4	- - - - -		-	
Engineers' Stores -							—	—	—	—	2	2	- - - - -		-	
FERVENT -	2	60 (209)	233 (284)				—	—	—	—	—	—	- - - - -		-	

O. I.		MARGARET (Coast Guard Cruiser.)		70	6 May "	18 Sept. "	Rigging and Stores	34	—	—	34	21	13	Casual supplies and re- turns.

No. 3.—HULKS REPAIRING, &c.

NAME OF SHIP.	Rate or Class of Ship.	Tonnage.	PERIODS within which the Expense was incurred.		Detailed Head of Charge.	Value of Materials Issued.	Wages.	Payments to Contractors, &c. Made and Allowed at Admiralty.	Gross Total, excluding Incidental and Establishment Charges.	Value of Materials Returned.	Net Total, excluding Incidental and Establishment Charges.	Incidental and Establishment Charges.	Total Expense, inclusive of Incidental and Establishment Charges.	REMARKS.
			From	To										
HOPB	Sloop	231	2 Dec. 1874	12 Dec. 1874	Rigging and Stores	£. 1	£. 2	£. -	£. 3	£. -	£. 3		£. 3	Repairing boat.

PEMBROKE DOCKYARD.—No. 4.—DETAILED SHIP ACCOUNT—continued.

No. 4.—STEAM TUGS, YARD CRAFT, COAL DEPÔTS, &c., BUILDING, FITTING, REFITTING, &c.

Yard to which the Craft is Attached.	Name and Description of Yard Craft.	Horse Power.	Tonnage.	PERIODS within which the Expense was incurred.		Value of Materials Issued.	Wages.	Payments to Con- tractors, &c. Made and Allowed at Admiralty.	Gross Total, excluding Incidental and Establish- ment Charges.	Value of Materials Returned.	Net Total, excluding Incidental and Establish- ment Charges.	Incidental and Estab- lishment Charges.	Total Expense, inclusive of Incidental and Estab- lishment Charges.	REMARKS.
				From	To									
DEVONPORT YARD.	FANNY - (Lighter.)	-	163	16 July 1874	26 Sept. 1874	£. 1 7 1 9	£. 2 6 — 8	£. — — —	£. 3 13 1 17	£. — — —	£. 3 13 1 17	£.	£.	Casual repairs and new topmast supplied.
	HAMOAZE -	-	153	- On the 19th Mar. 1875 -		1	—	—	1	—	1	—	—	Casual supplies.
	ALARM - (Coal Depôt.)	-	(993)	7 April 1874	11 Mar. 1875	11 8 19	27 4 31	— — —	38 12 50	— 1 1	38 11 49	—	—	Casual repairs, supplies, and returns.
	STEAM LAUNCH No. 31.	6	22	23 Mar. "	19 Dec. 1874	— —	1 1	— —	1 1	— —	1 1	—	—	Casual repairs.
	WIDGON (Steam Paddle Tug.)	90 (194)	164 (—)	18 June "	12 Dec. "	15 — 11 26	16 2 — 18	— — — —	31 2 11 44	— — — —	31 2 11 44	—	—	Casual repairs, supplies, and returns.
PEMBROKE YARD.	No. 4 (Fire Float)	-	73	13 May "	30 May "	12	13	—	25	—	25	—	—	Casual repairs and sup- plies, and coating bot- tom.
	TOTAL - - - £.					30 7 57 94	60 6 4 70	— — — —	90 13 61 164	— — 7 7	90 13 54 157			See Abstract (p. 443).

A B S T R A C T.

S E R V I C E.	Page.	DESCRIPTION.	Detailed Head of Charge.	Value of Materials Issued.	Wages.	Payments to Contractors, &c. Made and Allowed at Admiralty.	Gross Total, excluding Incidentals and Establishment Charges.	Value of Materials Returned.	Net Total, excluding Incidentals and Establishment Charges.	Incidental and Establishment Charges.	Total Expense, inclusive of Incidentals and Establishment Charges.
No. 1.—Ships Building and Completing for Sea Service	438	Iron Clads built in Her Majesty's Dockyards -	Hull - - - - - Masts and Yards - - - Engines and Engineers' Fittings Boilers and Engineers' Fittings	£. 206,277 354 86 349 207,066	£. 78,081 57 113 155 78,406	£. — — 29,200 — 29,200	£. 284,358 411 29,399 504 314,672	£. 6,100 — — 5 6,105	£. 278,558 411 29,399 499 308,567	£. 36,774	£. 345,341
	439	Not Iron Clad -	Hull - - - - - Rigging and Stores Engines and Engineers' Fittings Boilers and Engineers' Fittings	£. 8,156 3 — — 8,159	£. 1,720 — 8 9 1,737	£. — — — — —	£. 9,876 3 8 9 9,896	£. 492 — — — 492	£. 9,384 3 8 9 9,404	£. 864	£. 10,268
	440	Iron Clads built by Contract -	TOTAL - - - £.								
	440	Iron Clads built in Her Majesty's Dockyards -	Rigging and Stores Rigging and Stores	£. 3 18	£. — —	£. — —	£. 3 18	£. — —	£. 3 18	£. — —	£. 3 18
No. 2.—Wear and Tear and Maintenance of the Fleet, in Commission and in Reserve, including Repairs, Refits, Alterations, Works rendered necessary by New Armaments, and the Renewal of Worn-out and Perishable Stores, such as Rigging, Rope, Sails, Blocks, &c.: In Commission	441	Not Iron Clad -	Hull - - - - - Masts and Yards - - - Rigging and Stores - - Enginers' Stores - -	£. 94 12 228 334	£. 96 9 17 122	£. — — — —	£. 100 21 245 456	£. 16 3 72 93	£. 174 18 173 363	£. 58	£. 421
	441	-	TOTAL - - - £.								
	441	-	Rigging and Stores -	£. 1	£. 2	£. —	£. 3	£. —	£. 3	£. 1	£. 4
	442	-	Hull - - - - - Masts and Yards - - - Rigging and Stores - - Engines and Engineers' Fittings Boilers and Engineers' Fittings Enginers' Stores - -	£. 30 7 57 15 — 11 120	£. 60 13 4 16 3 — 89	£. — — — — — — —	£. 90 13 61 31 3 11 209	£. — — 7 — — — 7	£. 90 13 54 31 3 11 202	£. 41	£. 243
No. 3.—Hulks Repairing, &c.			TOTAL - - - £.								
			Rigging and Stores -	£. 215,701	£. 80,356	£. 29,200	£. 325,257	£. 6,697	£. 318,560		
			Hull - - - - - Masts and Yards - - - Rigging and Stores - - Engines and Engineers' Fittings Boilers and Engineers' Fittings Enginers' Stores - -	£. 214,537 373 310 101 349 11	£. 79,957 72 28 137 167 —	£. — — 29,200 — — —	£. 294,514 445 383 29,438 516 11	£. 6,608 3 79 — 5 2	£. 287,906 442 254 29,438 511 9	£. 37,738	£. 356,298
		TOTAL	GRAND TOTAL	£. 215,701	£. 80,356	£. 29,200	£. 325,257	£. 6,697	£. 318,560		
No. 4.—Steam Tugs, Yard Craft, Coal Depôts, &c., Building, Fitting, Refitting, &c.											

PEMBROKE

No.

Dr.

DOCKYARD CHARGES INCIDENTAL TO

To INCOME ACCOUNT (p. 433):—

For Amounts shown against the Services in the Detailed Account annexed, viz.:—

	£.	£.
Salaries, &c. - - - - -	5,160	
Rents, Rates, Taxes, and Water - - - - -	66	
Lighting with Gas - - - - -	845	
Contingencies - - - - -	671	
Wages to Artificers, &c., including Wages, Yard Service Afloat, Hire of Teams, &c. - - - - -	8,339	
Wages, Police Force - - - - -	1,125	
Freight and sundry Expenses connected with Naval Stores - - -	17	
Estimated Current Charge for Deferred Annuities, equal to 7 per Cent. on the Salaries to Dockyard Officers, and Wages paid to Established Workmen, on account of the prospect of Pensions on their Retirement - - -	3,972	
Repairs, Replacements, &c. of Buildings, Docks, &c. - - - - -	4,775	
Dredging Harbour in connection with Dockyard - - - - -	43	
Repairs, Replacements, &c. of Plant - - - - -	4,156	
		29,169

To CAPITAL ACCOUNT (p. 436):—

For Value of Stores drawn for the Services named in the Detailed Account - - - - - 10,365

To CONVERSIONS (p. 453):—

For Amount of the Excess Cost of Manufactured Produce over the Value at which it has been charged to Stock for subsequent Issue - - - - - 2

To OTHER YARDS (p. 455):—

For Proportion of Cost of Shipment, at the following Yards, of Stores received at Pembroke Yard, viz.:—	£.	
Deptford - - - - -	7	
Chatham - - - - -	63	
Sheerness - - - - -	4	
Portsmouth - - - - -	109	
Devonport - - - - -	57	
		240
	£.	39,776

DOCKYARD.

5.

SHIP BUILDING, EQUIPPING, &c.

Cr.

By INCOME ACCOUNT (p. 434):—		£.
For Value of Materials returned into Store	- - - - -	1,124
By OTHER THAN DOCKYARD SERVICES (p. 451):—		
For Proportion of Incidental and Establishment Charges on Materials issued to, and returned from, and on Labour employed on account of other Branches of the Naval Service, other Departments of Government, Private Individuals, &c.	- - - - -	698
By CONVERSIONS (p. 453):—		
For Excess of Value at which Manufactured Produce has been charged to Stock for subsequent Issue over the Cost thereof	- - - - -	133
By OTHER YARDS (p. 455):—		
For Cost of Shipment of Stores to the following Yards, viz.:—	£.	
Deptford	- - - - -	—
Chatham	- - - - -	30
Sheerness	- - - - -	2
Portsmouth	- - - - -	8
Devonport	- - - - -	43
		83
By SHIPS (p. 437):—		
For Amount of Net Expenditure appropriated <i>pro ratâ</i> to Sub-Heads of Ships Building, &c.	- - - - -	37,738
	£.	39,776

PEMBROKE DOCKYARD.—No. 5—continued.

DETAILED ACCOUNT of DOCKYARD CHARGES incidental to SHIP BUILDING, EQUIPPING, &c.

DETAILED HEAD OF CHARGE.	DEBITS.				CREDITS.			Net Amount Chargeable.
	Payments for Salaries, Rents, Contingencies, and other Charges.	Wages.	Materials Issued.	TOTAL.	Materials Returned.	Expense of Shipping Stores to other Yards, and other Credits.	TOTAL.	
	£.	£.	£.	£.	£.	£.	£.	£.
Opening and shutting dock gates and penstocks, floating and sinking caissons, and pumping docks; <i>except</i> when it has been possible to charge the expense direct to the ship on account of which it is incurred	—	—	136	136	—	—	—	136
Transporting hawsers, launching rope gear, rope for guys and stages, blocks, planks, bilgeways, cleats, timber, &c., for launching and docking ships, spauls, stage deals, launching booths, floating stages of all kinds, wedges, harpins, and ribands, blocks under new-ships, brows, temporary ladders for, and housing over, ships, &c., screws for securing plank, &c.; <i>except</i> when it has been possible to charge the expense direct to the ship on account of which it is incurred	—	323	3,131	3,454	415	—	415	3,039
Replacement and maintenance of yard boats	—	29	35	64	20	—	20	44
Crabs, winches, carts, waggons, timber carriages, sledges, barrows, ladders, &c.	—	152	97	249	47	—	47	202
Materials and labour (including pay of draughtsmen and modellers) for mould lofts; <i>except</i> when it has been possible to charge the expense direct to the ship on account of which it is incurred	—	70	16	86	—	—	—	86
Loan tool store, including repairs and replacement of tools for general service of the yard, but not for conversion shops	—	838	1,045	1,883	98	—	98	1,785
Fire-engines, buckets, hoses, and other gear connected therewith: share of	—	44	31	75	4	—	4	71
Collecting old timber, chips, and stores for sale, and cleaning and clearing the yard and docks	—	446	15	461	28	—	28	433
Coals, candles, furniture, and other stores for officers' offices	—	101	101	202	1	—	1	201
Wages of all single stationed men and boats' crews, to include draughtsmen (except those in the mould loft), writers (except writers at Ropery and manufacturing writers at other Shops whose pay is charged thereto), signalmen, messengers, postmen, labourers, and boys employed on general duties, not chargeable to any other detailed head of service: also petty stores used in connection with services on which these men are employed; but not including any expenses which could be charged to any specific ship or service: share of	—	1,370	10	1,380	—	—	—	1,380
Allowances for apprentices' instructors	—	325	—	325	—	—	—	325
Wages of apprentices whilst at school, and board wages to apprentices when sick	—	189	—	189	—	—	—	189
Hurt money (including half-pay of yard craft men when sick)	—	286	—	286	—	—	—	286
Other miscellaneous charges	—	1,718	5,385	7,103	459	—	459	6,644
Docks, slips, and basins, including housings over docks and slips, sheds, workshops, caissons, timber racks, temporary roofs, and all other buildings; and waterworks for supplying the yard and for extinguishing fire; repairs, replacements, and maintenance of	4,775	—	—	4,775	—	—	—	4,775
Dredging harbour in connection with Dockyard	43	—	—	43	—	—	—	43
Machinery for the general service of the yard and factory; cranes, capstans, steam hoists, &c.; repairs, replacements, and maintenance of	4,156	—	—	4,156	—	—	—	4,156
Salaries of Superintendent, Retinue, and Clerks; share of	—	—	—	—	—	—	—	—
" Master Attendant, Assistant to Master Attendant, Harbour Master, Master Sailmaker, Master Rigger, Master Ropemaker, Foreman of Rope-makers, Foreman of Line Spinners, Layer in the Rope Yard, and Clerks: share of	—	—	—	—	—	—	—	—
" Master Shipwright, Assistant Master Shipwright, Timber Inspectors, Boatswain, Master Smith, Foremen, Converter of Timber, Inspectors, and Clerks: share of	5,160	—	—	5,160	—	—	—	5,160
" Chief Engineer and Inspector of Machinery, Assistant Engineer, Conductor of Metal Mills, Assistant Inspector of Steam Machinery, Foremen, Engineer, and Millwright, and Clerks	—	—	—	—	—	—	—	—
" Storekeeper, Foreman of Storehouses, and Clerks: share of	—	—	—	—	—	—	—	—
" Accountant, Inspector of Stores, and Clerks: share of	—	—	—	—	—	—	—	—
" Cashier, Timekeeper, and Clerks: share of	—	—	—	—	—	—	—	—

PEMBROKE DOCKYARD.—No. 5—continued.

DETAILED ACCOUNT of Dockyard Charges incidental to Ship Building, Equipping, &c.—continued.

DETAILED HEAD OF CHARGE.	DEBITS.				CREDITS.			Net Amount Chargeable.
	Payments for Salaries Rents, Contingencies, and other Charges.	Wages.	Materials Issued.	TOTAL.	Materials Returned.	Expense of Shipping Stores to other Yards, and other Credits.	TOTAL.	
£.	£.	£.	£.	£.	£.	£.	£.	£.
Addition of 7 per cent. to the foregoing salaries, on account of the prospect of pensions on retirement to those dockyard officers who are entitled to the same	343	—	—	343	—	—	—	343
Rents, rates, taxes, and water	66	—	—	66	—	—	—	66
Lighting with gas	845	—	—	845	—	—	—	845
Contingencies	671	—	—	671	—	—	—	671
Wages, Police Force: share of	1,125	—	—	1,125	—	—	—	1,125
Addition of 7 per cent. to the wages of established workmen, on account of the prospect of pensions on their retirement	3,629	—	—	3,629	—	—	—	3,629
TOTAL Incidental and Establishment Charges, distributable <i>pro rata</i> on Wages, being at the rate of 43·50 per cent.	£. 20,813	5,891	10,002	36,706	1,072	—	1,072	35,634
Landing, surveying, receiving, depositing, and issuing timber	—	743	121	864	1	—	1	863
Landing, surveying, receiving, depositing, and issuing stores	—	1,301	203	1,504	47	—	47	1,457
Continuous survey and survey valuation of stock	—	220	3	223	—	—	—	223
Shipping off timber and stores to other yards at home and abroad (including the cost of packing cases and casks <i>only</i> when new, and only at the yards shipping the stores)	—	77	6	83	—	—	—	83
Preservation of timber, boats, and other stores	—	53	27	80	4	—	4	76
Other miscellaneous charges	—	54	3	57	—	—	—	57
Freight and sundry expenses connected with naval stores	17	—	—	17	—	—	—	17
Expenses incurred at other yards, &c., shipping stores to Pembroke	240	—	—	240	—	—	—	240
Cost of manufactured produce in excess of Rate Book value	2	—	—	2	—	—	—	2
Cost of manufactured produce less than Rate Book value	—	—	—	—	—	133	133	133
Expense incurred at Pembroke, shipping of stores to other yards	—	—	—	—	—	83	83	83
TOTAL, Incidental and Establishment Charges, distributable <i>pro rata</i> on Materials, being at the rate of 1·25 per cent.	£. 259	2,448	363	3,070	52	216	268	2,802
TOTAL	£. 21,072	8,339	10,365	39,776	1,124	216	1,340	38,436

DISTRIBUTION OF THE ABOVE.

	Amount.	Amount on which Charged.		Rate per Cent.
Amount distributable <i>pro rata</i> on Labour, charged direct to Ships	£. 34,958	Page. 437	£. 90,356	£. 43·50
Amount on Materials issued to and returned from Ships	2,780	437	222,398	1·25
TOTAL due to Ships	£. 37,738			
Amount on Labour charged direct to other Branches of the Naval Service, other Departments of Government, Private Individuals, &c.	676	452	1,553	43·50
Amount on Materials issued to, and returned from, other Branches of the Naval Service, other Departments of Government, Private Individuals, &c.	22	452	1,769	1·25
TOTAL due to other Branches of the Naval Service, other Departments of Government, &c.	£. 698			
GRAND TOTAL, Incidental and Establishment Charges	£. 38,436			

PEMBROKE DOCKYARD.

No. 6.

HARBOUR AND DOCKYARD NATIONAL CHARGES.

Dr.

Cr.

To INCOME ACCOUNT (p. 435):—

For Amounts shown against the Services in the Detailed Account annexed, viz :—

Salaries, &c.	4,458
Wages to Artificers, &c., including Wages, Yard Service Afloat, Hire of Teams, &c.	4,375
Wages, Police Force	1,125
Temporary Superintendence, &c. of Engineering and Architectural Works and Repairs	346
Estimated Current Charge for Deferred Annuities, on account of Pensions to Dockyard Officers	288

By INCOME ACCOUNT (p. 434):—

For Value of Materials returned into Store

By BALANCE ACCOUNT (p. 456):—

For Net Charge for the Year, being proportion of Incidental and Establishment Charges not considered applicable to Ships

To CAPITAL ACCOUNT (p. 436):—

For Value of Gross Issues of Stores, as per Detailed Account

£.	£.	£.
4,458		
4,375		
1,125		
346		
288	10,500	
		11,013
	449	
		11,039

PEMBROKE DOCKYARD.—No. 6—continued.

DETAILED ACCOUNT of HARBOUR and DOCKYARD NATIONAL CHARGES.

DETAILED HEAD OF CHARGE.	DEBITS.				CREDITS.	Net Amount Chargeable.
	Payments for Salaries, Rents, Contingencies, and other Charges.	Wages.	Materials Issued.	TOTAL.	Materials Returned.	
	£.	£.	£.	£.	£.	£.
Harbour and Dockyard Gear: viz., cables, pendants, chains, swivels, bridles, and buoys - - - - -	-	59	281	340	19	321
Fire engines, buckets, hoses, and other gear connected therewith: share of - - - - -	-	45	31	76	5	71
Preliminary arrangements for sale of surplus timber, &c. -	-	71	-	71	1	70
Dockyard chapel, chemical lecture room and laboratory, school for apprentices, police station and military guard room (labour and petty stores) - - - - -	-	68	113	186	1	185
Wages of all single stationed men and boats' crews, to include draughtsmen (except those in the mould loft), writers (except writers at Ropery and manufacturing writers at other shops whose pay should be charged thereto), signalmen, messengers, postmen, labourers, and boys employed on general duties, not chargeable to any other detailed head of service; also petty stores used in connection with services on which those men are employed, but not including any expenses which could be charged to any specific ship or service: share of -	-	1,371	10	1,381	-	1,381
Allowances for scholarships, and wages, allowances, &c., of students at Greenwich - - - - -	-	153	-	153	-	153
Holidays - - - - -	-	1,285	-	1,285	-	1,285
Wages of crews of steam tugs and mooring lighters when not employed on services provided for under other specific heads in these Accounts - - - - -	-	808	7	815	-	815
Other miscellaneous charges - - - - -	-	515	2	517	-	517
Salaries of Superintendent, Retinue, and Clerks: share of -						
" Master Attendant, Assistant to Master Attendant, Harbour Master, Master Sailmaker, Master Rigger, Master Ropemaker, Foreman of Rope-makers, Foreman of Line Spinners, Layer in the Rope Yard, and Clerks: share of - - -						
" Master Shipwright, Assistant Master Shipwright, Timber Inspector, Boatswain, Master Smith, Foremen, Converter of Timber, Inspectors, and Clerks: share of - - - - -						
" Storekeeper, Foremen of Storehouses, and Clerks: share of - - - - -	4,456	-	-	4,456	-	4,456
" Accountant, Inspector of Stores, and Clerks: share of - - - - -						
" Cashier, Timekeeper, and Clerks: share of -						
" Superintending Civil Engineer, Clerk of Works, Clerk and Accountant, Clerk and Draughtsman, and Foreman of Works - - - - -						
" Surgeons and Assistant Surgeons - - -						
" Chaplain, Schoolmaster, &c. - - - - -						
Addition of 7 per cent. to the foregoing salaries, on account of the prospect of Pensions on retirement to those Dockyard officers who are entitled to the same - - -	288	-	-	288	-	288
Wages, police force: share of - - - - -	1,125	-	-	1,125	-	1,125
Temporary Superintendence, &c. of Engineering and Architectural Works and Repairs - - - - -	346	-	-	346	-	346
TOTAL Harbour and Dockyard National Charges - £.	6,215	4,375	449	11,039	26	11,013

PEMBROKE DOCKYARD.

No. 7.

DEPRECIATION AND APPRECIATION ACCOUNT.

Cr.

Dr.

To CAPITAL ACCOUNT (p. 436):—		By INCOME ACCOUNT (p. 434):—	
£.	£.	£.	£.
For Value of Stores drawn from Stock on Survey:		For Value of Stores returned to Stock after Survey:	
Timber - - - - -	1,366	Timber - - - - -	565
Stores - - - - -	2,154	Stores - - - - -	1,484
For Decrease in the Value of Stock on Annual Re-valuation:		For Increase in the Value of Stock on Annual Re-valuation:	
Timber - - - - -	—	Timber - - - - -	—
Stores - - - - -	5,597	Stores - - - - -	6,085
For Approximate Value of Stock found Deficient on Continuous Survey:		For Approximate Value of Stock found Surplus on Continuous Survey:	
Timber - - - - -	5,116	Timber - - - - -	4,612
Stores - - - - -	196	Stores - - - - -	140
		For Value of Lost Articles recovered by the Police, &c.	1
			12,887
For Value of Stores drawn from Stock on Sale:		For Proceeds of Sale (Cash not shown in Stock Valuation Account):	
Timber - - - - -	3,959	Timber - - - - -	2,410
Stores - - - - -	890	Stores - - - - -	883
	19,278		
			3,293
		By BALANCE ACCOUNT (p. 456):—	
		For Net Charge on Account of—	
		Loss by Surveys:	£.
		Timber - - - - -	1,305
		Stores - - - - -	238
		Loss by Sales:	
		Timber - - - - -	1,549
		Stores - - - - -	7
		Loss in the Value of Plant (Buildings) - - -	6,750
For Deterioration in the Value of Plant (Buildings)	6,750		9,849
		Less Gain by Value of Articles recovered by Police, &c. - -	1
	£.		£.
	26,028		9,848
			26,028

PEMBROKE DOCKYARD.—No. 8—*continued.*

DETAILED ACCOUNT of other than DOCKYARD SERVICES—Supplies to, or Work for, other Branches of the Naval Service, other Departments of Government, Foreign Governments, Private Individuals, &c.

DESCRIPTION OF SERVICE.	DEBITS.				CREDITS.	Net Charge to Services not pertaining to Dockyards.
	Wages.	Materials Issued.	Per-centage and other Charges on Supplies, for use of Plant, &c., and other Charges.	TOTAL.	Materials Returned.	
	£.	£.	£.	£.	£.	£.
Repairs, &c. of Machinery, &c. for Workshops and the general use of the Yard (Vote No. 11)—Dockyard or Factory Labour and Materials, when not chargeable to Contractors - - }	-	1,674	-	1,674	148	1,526
New Buildings, &c. (Vote No. 11)—Dockyard or Factory Labour and Materials, when not chargeable to Contractors - - }	-	1,025	-	1,025	662	363
Value of Stores supplied to, and Labour employed on account of, "Other Branches of the Naval Service," not chargeable to the Votes for Dockyard Services - - - - }	1,190	102	-	1,292	451	841
Value of Stores supplied to, and Labour employed on account of, "Other Departments of Government" - - - - }	40	51	-	91	-	91
Value of Stores supplied to, and Labour employed on account of Foreign Governments - - - - - }	45	7	-	52	-	52
Value of Stores supplied to, and Labour employed on account of, Private Individuals and Contractors for Vessels and New Works - - - - - }	64	446	-	510	293	217
Value of Stores supplied to, and Labour employed on account of, Coastguard Stations on Shore - - - - - }	-	-	-	-	7	7
Proportion of Incidental and Establishment Charges on Materials issued to, and returned from, and on Labour employed on account of, "Other Branches of the Naval Service," "Other Departments of Government," "Private Individuals," &c. - }	-	-	698	698	-	698
£.	1,339	3,305	698	5,342	1,561	3,781

	Labour.	Materials.		
		Issued.	Returned.	Total (Issued and Returned).
	£.	£.	£.	£.
Total Amounts charged direct to Other than Dockyard Services - - - - -	1,339	3,305	1,561	4,866
Abate.—The Cost of Repairs, Replacements, and Maintenance of Docks, Slips, &c., and of Yard Machinery, &c. (Issues and Returns, excluding Labour) - - }	-	2,378	675	3,053
Abate.—The Value of Coals charged under the various Items of Other than Dockyard Services - - - - -	-	44	-	44
Abate.—The Wages of Men Superintending Ships Building by Contract, &c. - - - - -	623	-	-	-
Abate.—The Wages of Men employed on the Delivery of Surplus Timber, &c., to Contractors - - }	64	-	-	-
	652	883	886	1,769
Add.—The Wages of Men employed on New Buildings and New Machinery for the Dockyard or Factory - - - - - }	901	-	-	-
TOTAL Amounts upon which Incidental and Establishment Charges are distributed (<i>see p. 447</i>) - - - - - }	£. 1,553	883	886	1,769

PEMBROKE DOCKYARD.

No. 9. CONVERSIONS.

Dr.	Cr.		
	£.	£.	£.
T ^o INCOME ACCOUNT (p. 435):—			
For Expenditure during the Year, viz.:—			
Wages to Artificers, &c., including Hire of Teams, &c.	958		
		6,195	
		373	6,568
T ^o CAPITAL ACCOUNT (p. 436):—			
For Value of Gross Issues of Stores	5,479		
T ^o DOCKYARD CHARGES INCIDENTAL TO SHIP BUILDING, EQUIPPING, &c. (p. 445):—			
For Excess of Value at which Manufactured Produce has been returned to Stock for subsequent Issue over the Cost thereof	133		
	£.	£.	£.
	6,570		6,570

PEMBROKE DOCKYARD.—No. 9—*continued.*

DETAILED ACCOUNT of CONVERSIONS.

NAME OF CONVERSION ACCOUNT.	DEBITS.			CREDITS.		
	Wages.	Materials Issued.	Excess of Value at which Produce is Returned over the Actual Cost.	Value of Manufactured Produce.	Value of other Returns.	Excess of Actual Cost over Value at which Produce is Returned.
	£.	£.	£.	£.	£.	£.
Saw Pits - - - - -	42	866	-	839	69	—
Saw Mills - - - - -	117	1,824	25	1,845	121	—
Rigging House - - - - -	2	18	3	23	—	—
Sail Loft - - - - -	29	45	-	72	—	2
Smithery - - - - -	4	15	-	19	—	—
Boat House - - - - -	23	99	-	119	3	—
Joiners' Shop - - - - -	16	11	-	27	—	—
Wheelwrights' Shop - - - - -	1	1	-	2	—	—
Millwrights' Shop - - - - -	2	4	-	6	—	—
Plumbers' Shop - - - - -	2	9	-	11	—	—
Foundry - - - - -	720	2,587	105	3,232	180	—
£.	958	5,479	133	6,195	373	2
Dr. - £. 6,570.			Cr. - £. 6,570.			

Notes.—For Details of Manufactures at each Shop, see Manufacturing Accounts for 1874-75 (Parliamentary Paper, No. 182, Session 1876).

PEMBROKE DOCKYARD.

No. 10.

OTHER YARDS.

Dr.

Cr.

Dr.		Cr.	
To CAPITAL ACCOUNT (p. 436):—		By INCOME ACCOUNT (p. 434):—	
For Value of Gross Issues of Stores, per Bills of Lading, to be accounted for at the following Yards, viz.:—		For Value of Stores received, per Bills of Lading, from—	
Deptford	14	Deptford	169
Chatham	1,837	Chatham	6,035
Sheerness	93	Sheerness	396
Portsmouth	507	Portsmouth	2,943
Devonport	2,571	Devonport	2,904
			12,447
To DOCKYARD CHARGES INCIDENTAL TO SHIP BUILDING, EQUIPPING, &c. (p. 445):—		By DOCKYARD CHARGES INCIDENTAL TO SHIP BUILDING, EQUIPPING, &c. (p. 444):—	
For Cost of Shipment of Stores to the following Yards, to be there accounted for, viz.:—		For Proportion of the Cost of Shipment, at the following Yards, of Stores received at Pembroke Yard, viz.:—	
Deptford	—	Deptford	7
Chatham	30	Chatham	63
Sheerness	2	Sheerness	4
Portsmouth	8	Portsmouth	109
Devonport	43	Devonport	57
			240
To BALANCE ACCOUNT (p. 456):—			
For Surplus of Receipts from over Issues to other Yards, including Cost of Shipment			
	£.	£.	£.
	5,105		12,687
	7,582		
	12,687		

PEMBROKE DOCKYARD.

No. 11.

BALANCE ACCOUNT.

Cr.

Dr.

To INCOME ACCOUNT (p. 435):		£.	£.	£.
For adjusting Entries on account of Value of Stores taken on charge by Storekeeper prior to this Financial Year, but paid for in this Year	- - - - -	1,270		279,559
For adjusting Entries on account of Payments made in this Year for Armour Plates, which were not received up to the last day of the Financial Year	- - - - -	3,300		4,260
For Payments to the Exchequer of Proceeds of Sale of Old Stores, &c.	- - - - -	3,293	7,863	12,416
To CAPITAL ACCOUNT (p. 436):				
For Value of Coals issued to Ships for Steaming Purposes, and Wages for Coaling	- - - - -	229		1,336
For Value of Materials issued to Contractors for Remanufacture	- - - - -	51	280	439
For Balance carried to next Year's Account, viz.:				
Value of Land	- - - - -	3,110		
Value of Buildings	- - - - -	668,730		
Value of Machinery	- - - - -	83,831		
Value of Stock	- - - - -	176,297		
				347,553
To SHIPS (p. 437):				
For Net Expenditure charged to Ships in the Year	- - - - -	-		
To HARBOUR AND DOCKYARD NATIONAL CHARGES (p. 448):				
For Net Expenditure in the Year	- - - - -	-		
To DEPRECIATION AND APPRECIATION ACCOUNT (p. 450):				
For Net Charge in the Year	- - - - -	-		
To OTHER THAN DOCKYARD SERVICES (p. 451):				
For Net Charge to Services not pertaining to Dockyards	- - - - -	-		
To OTHER YARDS (p. 455):				
For Value of Stores issued to other Yards, &c., including Cost of Shipment	- - - - -	-		
				965,916
By INCOME ACCOUNT (pp. 432 and 434):				
For Expenditure per Statement of Surpluses and Deficits, Votes 6, 10, and 11	- - - - -			
Vote 16.—For Estimated Current Charge for Deferred Annuities	- - - - -			
For adjusting Entry, principally consisting of the Value of Stores paid for by other Departments, &c., and consequently not appearing as a final Financial Charge to Vote 10, Sect. I.	- - - - -			
For Amounts for Services other than those pertaining to Dockyards	- - - - -			
For Stores taken on charge by Storekeeper, and debited to the Stock up to the last day of the Financial Year, but not paid for in the Year	- - - - -			
For adjusting Entry on account of Payments made last year out of Vote 10, Sect. I. (Metal Articles, &c.), for Armour Plates received and placed on the Storekeeper's charge in this Year	- - - - -			
				49,543
By CAPITAL ACCOUNT (p. 436):				
For Balance from last Year, as per Detailed Account, viz.:				
Value of Land	- - - - -	-		3,110.
Value of Buildings	- - - - -	-		673,430
Value of Machinery	- - - - -	-		80,417
Value of Stock	- - - - -	-		208,959
				965,916
By OTHER YARDS (p. 455):				
For Value of Stores received from other Yards, &c., including Cost of Shipment	- - - - -	-		
				12,687.
				1,326,156

HAULBOWLINE DOCKYARD.

I N D E X.

	PAGE
Statement connecting Navy Estimates and Expense Accounts - - -	458
General Balance Sheet - - - - - No. 1 - -	460
Income Account - - - - - No. 2 - -	462
Capital Account - - - - - No. 3 - -	466
Ships Account - - - - - No. 4 - -	467
Account of Dockyard Charges incidental to Ship Building, Equipping, &c. - - - - - No. 5 - -	473
Harbour and Dockyard National Charges Account - - No. 6 - -	475
Depreciation and Appreciation Account - - - - No. 7 - -	477
Account of other than Dockyard Services - - - - No. 8 - -	478
Conversions Account - - - - - No. 9* - -	—
Account of Supplies to, and Receipts from, other Yards - No. 10 - -	480
Balance Account - - - - - No. 11 - -	481

* There are no Conversion Accounts at this Yard.

HAULBOWLINE DOCKYARD.

STATEMENT showing the Total Amounts granted and the Total Amounts expended for the NAVY under each VOTE as they appear in the published RETABULATION of the STATEMENT of SURPLUSES and DEFICITS on the NAVY GRANTS, No. 183, of Session 1876; also, portion of Division 1 appertaining to HAULBOWLINE YARD (pp. 592 to 597 of Report).

Number of Vote.	TITLE OF VOTE.	Division 1. NAVAL YARDS.				Number of Vote.	Portion of Division 1 appertaining to HAULBOW LINE.			
		Expenditure.		Grant.			Expenditure.		Grant.	
		Page in Retabulation of Navy Savings and Deficiencies.	£.	Page in Retabulation of Navy Savings and Deficiencies.	£.		Page in Retabulation of Navy Savings and Deficiencies.	£.	Page in Retabulation of Navy Savings and Deficiencies.	£.
6	DOCKYARDS AND NAVAL YARDS AT HOME AND ABROAD - - - - - }	14	1,253,610	14	1,253,326	6	15	849	15	927
10	NAVAL STORES FOR THE BUILDING, REPAIR, AND OUTFIT OF THE FLEET AND COAST GUARD, STEAM MACHINERY, AND SHIPS BUILT BY CONTRACT:									
	SECT. I.—NAVAL STORES - - - -	14	1,378,383	14	1,175,159	10, Sect. I.	15	2,724	15	6,300
	SECT. II.—STEAM. MACHINERY AND SHIPS BUILT BY CONTRACT - - }	14	823,657	14	828,679	10, Sect. II.	15	—	15	—
11	NEW WORKS, BUILDINGS, MACHINERY, AND REPAIRS - - - - - }	14	502,671	14	579,209	11	15	24,078	15	22,330
	TOTAL VOTES 6, 10, AND 11 - - -	14	3,958,321	14	3,836,373	- -	15	27,651	15	29,557
16	SECT. II.—CIVIL PENSIONS AND ALLOWANCES	14	167,125	14	162,899	16, Sect. II.	-	—	-	†—
	TOTAL Division 1, NAVAL YARDS - -	£.	4,125,446	14	3,999,272					
TOTAL Portion of Division 1, appertaining to HAULBOW LINE - -							£.	27,651	-	29,557

** To meet the Estimated Current Charge for Deferred Annuities, equal to 7 per cent. on the Salaries to Dockyard Officers, and on the Total Wages paid in the Year to Established Workmen, on account of the prospect of Pensions on their Retirement; see Paper from the Actuary of the National Debt, page viii* of Parliamentary Paper, No. 454, of Session 1867.

In the Retabulation of the Statement of the Surpluses and Deficits, the whole amount against Vote 16, Sect. II., chargeable to Division 1, "Naval Yards," is shown under Column "Other than Yards." In this Account, however, the amount for Haulbowline has been calculated in accordance with the principle laid down by the Actuary of the National Debt (see Note above).

† The amounts inserted in the "Grant" columns for the several Yards are the same as the calculated Expenditure.

Supplementary Estimates are included in the amounts appearing in the "Grant" columns.

H. WALKER,
Accountant General of the Navy,
and Comptroller of Navy Pay.

No. 1.
EXPENSE ACCOUNTS.

HAULBOWLINE DOCKYARD.

ANNUAL BALANCE SHEET of SHIP-BUILDING and other DOCKYARD
TRANSACTIONS in Financial Year 1874-75.

No.
E X P E N S E
HAULBOWLINE

ANNUAL BALANCE SHEET of SHIP-BUILDING and

Dr.

For Details, *see separate*

To Amounts paid, as per Statement of the Surpluses and Deficits, under the following Votes, and shown in the Income Account, viz.:—	Page	£.
VOTE No. 6:		
Wages to Artificers, &c. - - - - -	462	732
Wages, Police Force - - - - -	462	78
Extra Pay to Artificers of the Fleet - - - - -	462	39
TOTAL VOTE No. 6 - - - - -	462	849
VOTE No. 10, Section I.:		
Naval Stores, &c. - - - - -	462	*2,724
VOTE No. 11:		
New Works, &c.—Buildings, Docks, &c.:		
Additions - - - - -	462	21,495
Repairs, Replacements, &c. - - - - -	462	1,234
Other New Works, the Details of which are shown in the Income Account - - - - -	462	1,349
New Works, &c.—Machinery:		
Additions - - - - -	462	—
Repairs, Replacement, &c. - - - - -	462	—
TOTAL VOTES, Nos. 6, 10, and 11 (actual Money paid) - - - - -	462	*27,651
† VOTE No. 16. Estimated Amounts as charged to Ships and Services	462	† —
TOTAL VOTES, Nos. 6, 10, 11, and Estimated Amount of } Vote 16, being Total Debit from Parliamentary Votes } £.	—	27,651
To Receipts from other Yards, including Cost of Shipment - - - - -	480	2,344
To adjusting Entry, principally consisting of the Value of Stores paid for by other Departments, &c., and consequently not appearing as a final Financial Charge to Vote 10, Sect. I. - - - - -	462	424
To Amounts for Services other than those pertaining to Dockyards - - - - -	462	31
To adjusting Entry on account of the Value of Materials taken on charge by the Storekeeper, and debited to Stock up to the last day of the Financial Year, but not paid for in the Year - - - - -	462	—
To Value of Land on 21st March 1874 - - - - -	676	1,450
To Value of Buildings on 21st March 1874 - - - - -	676	267,180
To Value of Machinery on 21st March 1874 - - - - -	676	1,405
To Value of Stock on 21st March 1874 - - - - -	685	10,299
TOTAL - - - - - £.		310,784

* The difference between this amount and that shown in the Income Account, page 462, and the Balance Account, page 481, is caused through the value of Metal, Hemp, and Paint, &c., issued to other Departments, being in excess of that received and paid for in the year. In the Income and Balance Accounts the Gross is shown, whereas, the amount appearing here is the Net Aggregate Amount.

† To meet the Estimated Current Charge for Deferred Annuities, equal to seven per cent. on the Salaries to Dockyard Officers, and on the Total Wages paid in the Year to Established Workmen, on account of the prospect of Pensions on their Retirement; *see* Paper from the Actuary of the National Debt, page viii* of Parliamentary Paper, No. 454, of Session 1867.

1.

A C C O U N T S.

DOCKYARD.

other DOCKYARD TRANSACTIONS in Financial Year 1874-75.

Accounts (Nos. 2 to 11).

Cr.

By Expenditure under the following Heads, as per Detailed Ship
Accounts, viz. :—

	Page	£.
Maintaining Ships in Commission - - - - -	472	2,062
Steam Tugs, Yard Craft, Coal Depôts, &c., Building, Fitting, Refitting, &c. - - - - -	472	766
	472	2,828
By Coals, and Wages, &c. for Coaling Steam Ships - - - - -	481	1,802
By Net Expenditure for Harbour and Dockyard National Services -	475	1,819
By Net Charge to Depreciation Account - - - - -	477	3,288
By Net Expenditure for Naval Services other than those pertaining to Dockyards - - - - -	478	763
By Payments to Exchequer of Proceeds of Sale of Old Stores, &c. -	465	—
By Issues to other Yards, including Cost of Shipment - - - -	480	1,725
By adjusting Entry for Stores paid for in the Year, but taken on Charge and included in Value of Stock in the preceding Year -	465	—
By Value of Land on 20th March 1875 - - - - -	676	1,450
By Value of Buildings on 20th March 1875 - - - - -	676	285,785
By Value of Machinery on 20th March 1875 - - - - -	676	1,405
By Value of Stock on 20th March 1875 - - - - -	685	9,919
TOTAL - - - - -	£.	310,784

H. WALKER,
Accountant General of the Navy, and
Comptroller of Navy Pay.

HAULBOWLINE

No.

Dr.

INCOME

To BALANCE ACCOUNT (p. 481):

For Amounts which have come in course of Payment, in the Financial Year, under the following Votes of the Naval Estimates appertaining to Haulbowline Dockyard, as per Statement of the Surpluses and Deficits, viz.:—

VOTE No. 6:

	£.
Wages to Artificers, &c. - - - - -	732
Wages, Police Force - - - - -	78
Extra Pay to Artificers of the Fleet - - - - -	39

849

VOTE No. 10, Section I.:

Timber, Masts, Deals, &c. - - - - -	151
Metals and Metal Articles - - - - -	22
Coals and other Fuel - - - - -	2,686
Hemp, Canvas, &c. - - - - -	9
Paint Materials, Oil, Pitch, &c. - - - - -	42
Freight and Sundry Expenses connected with Naval Stores - - - - -	5

2,915

VOTE No. 11:

New Works, &c.—Land, Buildings, Docks, &c. viz.:—

Additions - - - - -	21,495
Repairs, Replacements, &c. - - - - -	1,234

Contingencies (Works and Repairs) - - - - -	£. 11
Temporary Superintendence, &c. of Engineering and Architectural Works and Repairs - - - - -	1,338

1,349

New Works—Machinery:

Additions - - - - -	—
Repairs, Replacements, &c. - - - - -	—

24,078

27,842

For adjusting Entry, principally consisting of the Value of Stores paid for by other Departments, &c., and consequently not appearing as a final Financial Charge to Vote 10, Sect. I. - - - - -

424

For Amount paid by Cashiers of Her Majesty's Dockyards to Artificers, &c., hired for performance of Work other than that relating to Dockyard Services, and charged direct to those Services in the Admiralty Ledger, and not appearing as a Charge to Vote No. 6 in the Statement of the Surpluses and Deficits, viz.:—

	£.
Other Naval Votes not relating to Dockyard Services - - - - -	3
Other Departments of Government - - - - -	27
Private Individuals - - - - -	1

31

For adjusting Entry on account of the Value of Materials taken on charge by the Storekeeper, and debited to Stock, up to the last day of the Financial Year, but not paid for in the Year - - - - -

Carried forward - - - £.

28,297

DOCKYARD.

2.

ACCOUNT.

Cr.

By SHIPS (p. 467):

For Amount charged direct, viz.:—

Wages to Artificers, &c., including Extra Pay to Artificers of the Fleet	- - - -	70
--	---------	----

By CAPITAL ACCOUNT (p. 466):

	£.	
For Value of Stores taken on Charge during the Year as received from Contractors	-	3,143
For - ditto - as returned from Ships	- - - - -	271
For - ditto - as returned from Coaling purposes	- - - - -	66
For - ditto - as returned from Services incidental to Ship Building, Equipping, &c.	- - - - -	20
For - ditto - as returned from Harbour and Dockyard National Services	-	10
For - ditto - as returned from Depreciation and Appreciation of Stock, including increase in the Value of Stock on Re-valuation	- - -	706
For - ditto - taken on Charge during the Year, as received from other than Dockyard Services	- - - - -	98
For - ditto - from other Yards	- - - - -	2,299
		6,613
For Additions to Buildings, Docks, &c.	- - - - -	21,495
For - ditto - to Machinery	- - - - -	--
		21,495

By DOCKYARD CHARGES INCIDENTAL TO SHIP BUILDING, EQUIPPING, &c. (p. 473):

For Amount charged on account of the undermentioned Services, viz.:

Wages to Artificers, &c., including Extra Pay to Artificers of the Fleet	- -	300
Wages, Police Force	- - - - -	39
Freight and Sundry Expenses connected with Naval Stores	- - - - -	5
Repairs, Replacements, &c. of Buildings, Docks, &c.	- - - - -	1,234
Contingencies (Works and Repairs)	- - - - -	11
		1,589

Carried forward - - - £. 29,767

No. 2.—INCOME ACCOUNT—*continued*.

		£.
Brought forward - - -		29,767
By HARBOUR AND DOCKYARD NATIONAL CHARGES (p. 475):		
For Amount charged on account of the undermentioned Services, viz.:—		£.
Wages to Artificers, &c., including Extra Pay to Artificers of the Fleet - -	332	
Wages, Police Force - - - - -	39	
Temporary Superintendence, &c. of Engineering and Architectural Works and Repairs - - - - -	1,338	
		1,709
By OTHER THAN DOCKYARD SERVICES (p. 478):		
For Expenditure during the Year, viz.:—		
Wages to Artificers, &c., not chargeable to Vote 6 - - - - -		31
By BALANCE ACCOUNT (p. 481):		
For adjusting entry on account of the Value of Material taken on charge by Store-keeper prior to this Financial Year, but paid for in this Year - - - - -		—
		£.
For Value of Metal and Metal Articles, &c., issued to other Departments, &c., in excess of those received and paid for in the Year -	54	
For Value of Hemp, Canvas, &c., issued to other Departments, &c., in excess of that received and paid for in the Year - - -	67	
For Value of Paint, &c., issued to other Departments, &c., in excess of that received and paid for in the Year - - - - -	70	
		191
For Wages paid for issuing Coals to Ships for Steaming Purposes - - -	69	
For Payments to Exchequer of Proceeds of Sale of Old Stores, &c. - - -	—	
		260
		£.
		31,767

HAULBOWLINE DOCKYARD.

No. 3.

CAPITAL ACCOUNT.

Cr.

Dr.

To BALANCE ACCOUNT (p. 481) :—		£.	£.	Page of Detailed Statement.	£.
For Balance from last Year's Account, viz. :—					
Value of Land	- - - - -	1,450	676		
Ditto Buildings	- - - - -	287,180	676		
Ditto Machinery	- - - - -	1,405	676		
Ditto Stock	- - - - -	10,299	685		
					280,384
To INCOME ACCOUNT (p. 463) :—					
For Value of Stores taken on charge during the Year, as received from Contractors		3,143			
For ditto from Ships	- - - - -	271			
For ditto from Coaling purposes	- - - - -	66			
For ditto of Stores from Services incidental to Ship Building, Equipping, &c.	- - - - -	20			
For ditto from Harbour and Dockyard National Services	- - - - -	10			
For Ditto from Depreciation and Appreciation of Stock (including increase in the Value of the Stock on Revaluation)	- - - - -	706			
For Value of Stores taken on Charge during the Year, as received from other than Dockyard Services	- - - - -	98			
For ditto from other Yards	- - - - -	2,299			
For Additions to Buildings, Docks, &c.	- - - - -	21,495			
For - ditto - Machinery	- - - - -	-			
					6,613
					21,495
					£.
					308,442
By Ships (p. 467) :					
For Value of the Gross Issues of Stores	- - - - -				1,727
By DOCKYARD CHARGES INCIDENTAL to SHIP BUILDING, EQUIPPING, &c. (p. 478) :—					
For Value of the Gross Issues of Stores	- - - - -				209
By HARBOUR and DOCKYARD NATIONAL CHARGES (p. 476) :—					
For Value of the Gross Issues of Stores	- - - - -				120
By DEPRECIATION and APPRECIATION ACCOUNT (p. 477) :—					
For Value of Stores drawn from Stock on Survey :					
Timber	- - - - -				13
Stores	- - - - -				
For Decrease in the Value of Stock on Annual Re-valuation :					
Timber	- - - - -				926
Stores	- - - - -				
For Approximate Value of Stock found Deficient on Continuous Survey :					
Timber	- - - - -				165
Stores	- - - - -				
For Value of Stores drawn from Stock on Sale :					
Timber	- - - - -				
Stores	- - - - -				
For Deterioration in the Value of Plant (Buildings)	- - - - -				2,890
					3,994
By OTHER THAN DOCKYARD SERVICES (p. 478) :—					
For Value of the Gross Issues of Stores	- - - - -				313
By OTHER YARDS (p. 480) :—					
For Value of the Gross Issues of Stores	- - - - -				1,721
By BALANCE ACCOUNT (p. 481) :					
For Value of Coals issued to Ships for Steaming purposes	- - - - -				1,233
" Value of Stores issued for Coaling purposes	- - - - -				576
					1,799
For Balance to next Year's Accounts, viz. :					
Value of Land	- - - - -			676	1,450
Ditto Buildings	- - - - -			676	287,785
Ditto Machinery	- - - - -			676	1,405
Ditto Stock	- - - - -			685	9,919
					298,559
					£.
					308,442

HAULBOWLINE DOCKYARD.

No. 4.

SHIPS.

Dr.

Cr.

To INCOME ACCOUNT (p. 463):

For Amounts charged direct to Ships, as per Detailed Account, viz. :—
Wages to Artificers, &c., including Extra Pay to Artificers of the
Fleet

To CAPITAL ACCOUNT (p. 466):

For Value of Gross Issues of Stores

To DOCKYARD CHARGES INCIDENTAL TO SHIP-BUILD-
ING, EQUIPPING, &c. (p. 473):

For Amount of General Expenditure charged *pro rata* to the Sub-heads
of Ships Building, Repairing, &c.

£.

70

1,727

1,302

£.

3,099

By INCOME ACCOUNT (p. 464):

For Value of Materials returned into Store

By BALANCE ACCOUNT (p. 481):

For Net Expenditure during the Year

£.

271

2,828

£.

3,099

DETAILED SHIP ACCOUNT, showing the Amount of WAGES Paid, the Value of MATERIALS Issued and Returned, &c., on account of each SHIP and VESSEL appearing under the various Sub-Heads of SHIPS Building, Repairing, &c., during the Year ended 20th March 1875.

No. 2.—WEAR AND TEAR AND MAINTENANCE OF THE FLEET, IN COMMISSION AND IN RESERVE, including REPAIRS, REFITS, ALTERATIONS, WORKS rendered necessary by NEW ARMAMENTS, and the RENEWAL OF WORN-OUT and PERISHABLE STORES, such as RIGGING, ROPE, SAILS, BLOCKS, &c.

Note.—The Figures printed in *Italics* in the Money Columns show the Amount of Net Credits for Stores, &c. returned.

Note.—The Figures printed in *italics* in the above statement are the actual figures.

NAME OF SHIP.	Number of Guns.	Horse Power.	Tonnage.	PERIODS within which the Expense was incurred.		Detailed Head of Charge.	Value of Materials Issued.	Wages.	Payments to Con- tractors, &c. Made and Allowed at Admiralty.	Gross Total, excluding Incidental and Establish- ment Charges.	Value of Materials Returned.	Net Total, excluding Incidental and Establish- ment Charges.	Incidental and Estab- lishment Charges.	Total Expense, inclusive of Incidental and Estab- lishment Charges.	REMARKS.	
				From	To											
IRON CLADS BUILT BY CONTRACT:																
IN COMMISSION:																
VALIANT -	-	18	4,063 (3,560) (6,713)	27 Jan. 1875	18 Feb. 1875	Engineers' Stores	£. 3	—	—	£. 3	—	£. 3	—	—	—	Casual supplies.
VANGUARD -	-	14	800 (5,512) (6,034)	- On the 11th July 1874 -		Engineers' Stores	5	—	—	5	—	5	—	—	—	ditto.
TOTAL - - -							8	—	—	8	—	8	See Abstract (p. 472).			
IRON CLADS BUILT IN HER MAJESTY'S DOCKYARDS:																
IN COMMISSION:																
MONARCH -	-	7	1,100 (7,342) (8,322)	- On the 7th Aug. 1874 -		Hull - TOTAL - - £.	5	—	—	5	—	5	See Abstract (p. 472).		Casual repairs.	
NOT IRON CLAD:																
IN COMMISSION:																
AURORA -	-	28	400 (4,576) (3,582)	1 April 1874	6 April 1874	Rigging and Stores Engineers' Stores -	—	—	—	—	5	5	}		Casual supplies and re- turns.	
BULLFINCH -	-	3	160 (985) (774)	7 Aug. "	8 Aug. "	Hull - Rigging and Stores	3 1	3	—	6 1	—	6 1	}		Casual supplies and re- pairs.	
Total - - - £.							4	3	—	7	—	7	}			
FANNY -	-	-	-	- On the 18th May 1874 -		Rigging and Stores	—	—	—	—	16	16	—	—	—	Casual returns.
(Coast Guard Cruiser.)	-	-	153	- On the 2nd Dec. 1874 -		Rigging and Stores	—	—	—	—	5	5	—	—	—	ditto.

Ship	Date	4	2	6	63	6	59	Casual supplies, returns, and repairs.
GIPSY (Cutter.)	23 May 1874	63	—	—	—	—	—	—
	20 Feb. 1875	—	—	—	—	—	—	—
	1 April "	67	2	—	—	4	65	—
	1 May 1874	7	—	—	—	1	6	—
GOSHAWK	1 July "	35	—	—	—	—	35	—
	18 July "	25	—	—	—	—	25	—
	25 Aug. "	5	—	—	—	—	5	—
	28 Aug. "	33	—	—	—	75	42	Casual supplies and returns.
	31 Dec. "	15	—	—	—	—	15	—
	On the 18th Feb. 1875 -	34	—	—	—	—	34	—
	9 Mar. 1875	5	—	—	—	—	5	—
	13 Mar. 1875	3	—	—	—	1	2	—
	On the 2nd June 1874 -	5	—	—	—	—	5	Casual supplies.
	10 Aug. 1874	3	2	—	—	—	5	Casual supplies and repairs.
IMOGENE (Coast Guard Steam Tender.)	15 April "	15	—	—	—	10	10	Casual supplies and returns.
	On the 13th June 1874 -	8	—	—	—	—	8	Casual supplies.
	On the 11th July 1874 -	1	—	—	—	—	1	ditto.
	24 April 1874	—	—	—	—	21	21	Casual returns.
ORWELL	1 April "	10	—	—	—	2	8	—
	13 June "	56	6	—	—	4	58	Casual repairs, supplies, and returns.
	1 July "	7	—	—	—	—	7	—
	On the 18th Feb. 1875 -	34	—	—	—	—	34	—

ARTICLE 2.—WEAR AND TEAR AND MAINTENANCE OF THE FLEET, IN COMMISSION AND IN RESERVE, INCLUDING REPAIRS, RETITS, ALTERATIONS, &c.—*continued.*

No. 2.—WEAR AND TEAR AND MAINTENANCE OF THE VESSEL, &c.										REMARKS.					
NAME OF SHIP.	Number of Guns.	Horse Power.	Tonnage.	PERIODS within which the Expense was incurred.		Detailed Head of Charge.	Value of Materials Issued.	Wages.	Payments to Con- tractors, &c. Made and Allowed at Admiralty.	Gross Total, excluding Incidental and Estab- lishment Charges.	Value of Materials Returned.	Net Total, excluding Incidental and Estab- lishment Charges.	Incidental and Estab- lishment Charges.	Total Expense, inclusive of Incidental and Estab- lishment Charges.	
				From	To										
NOT IRON CLAD—continued.															
IN COMMISSION—continued.															
ORWELL—continued	2	60 (228)	268 (330)	17 Dec. 1874	13 Mar. 1875	Hull - - - £. Masts and Yards - Rigging and Stores - Total - - - £.	£. 8 2 107 117	£. 8 2 3 13	£. — — — —	£. 16 4 110 130	£. — — 22 22	£. 16 4 88 108	£.		Casual repairs, supplies, and returns.
						Boilers and Engineers' Fittings, Stores - Engineers' Stores - Total - - - £.	£. 6 18 24	£. — — —	£. — — —	£. 6 18 24	£. 1 — 1	£. 5 18 23	£.		
						Hull - - - £. Masts and Yards - Rigging and Stores - Total - - - £.	£. 22 15 677 714	£. 7 — 1 8	£. — — — —	£. 20 15 678 722	£. — — 57 57	£. 29 15 621 665	£.		ditto - ditto.
REVENGE - - -	28	800 (2,896)	3,323 (5,260)	18 April "	20 Mar. "	Engineers' Stores - Total - - - £.	£. 244 — 2 2	£. — — — —	£. — — — —	£. 244 — 5 5	£. 1 — 4 4	£. 243 — 5 1	£.		ditto - ditto.
STAG (Coast Guard Cruiser.)	-	-	120	24 Feb. 1875	13 Mar. "	Hull - - - £. Masts and Yards - Rigging and Stores - Total - - - £.	£. 44 21 1,027 1,092	£. 26 4 9 39	£. — — — —	£. 70 25 1,036 1,131	£. — — 226 226	£. 70 25 810 905	£.		See Abstract (p. 472).
						Boilers and Engineers' Fittings, Stores - Engineers' Stores - Total - - - £.	£. 6 358 364	£. — — —	£. — — —	£. 6 358 364	£. 1 2 3	£. 5 356 361	£.		

Yard to which the Craft is Attached.	Name and Description of Yard Craft.	Horse Power.	Tonnage.	PERIODS within which the Expense was incurred.		Detailed Head of Charge.	Value of Materials Issued.	Wages.	Payments to Contractors, &c. Made and Allowed at Admiralty.	Gross Total, excluding incidental and Establishment Charges.	Value of Materials Returned.	Net Total, incidental and Establishment Charges.	Incidental and Establishment Charges.	Total Expense, inclusive of incidental and Establishment Charges.	REMARKS.
				From	To										
PORTSMOUTH YARD.	DROMEDARY - (Late "Lively," Portsmouth Yard Craft, No. 2.)	-	155	-	On the 20th Mar. 1875 -	Rigging and Stores	£. 1	-	£. -	£. 1	-	£. 1	-	£. -	Casual supplies.
	WOLF - (Coal Depôt.)	-	454 (566)	25 July 1874	20 Mar. 1875	Rigging and Stores	29	-	-	29	4	25	-	-	Casual supplies and returns.
	No. 1, CORK - (Tank Vessel.)	-	50	25 July "	20 Mar. "	Rigging and Stores	33	1	-	34	6	28	-	-	ditto - ditto.
	No. 3 (Mooring Lump).	-	60	23 May "	23 Jan. "	{ Hull - - - £. Rigging and Stores	21 13	18 -	- -	39 13	7 7	39 6 45	-	-	Casual repairs, supplies, and returns.
HAULBOW-LINE YARD.	No. 5 (Coaling Lump).	-	50	25 July "	20 Mar. "	{ Hull - - - £. Rigging and Stores	14 13	12 -	- -	26 13	- 13	26 -	-	-	ditto - ditto.
	No. 6 (Coaling Lump).	-	50	25 July "	20 Mar. "	Rigging and Stores	11	-	-	11	12	1	-	-	Casual supplies and returns.
	SHAMROCK - (Tug and Tank Vessel.)	-	101 (162)	23 May "	20 Mar. "	{ Rigging and Stores Boilers and Engineers' Fittings. Engineers' Stores	62 1 60	- - -	- - -	62 1 60	- - -	62 1 60 61	-	-	Casual supplies.
	TOTAL - - - £.					Total - - - £.	61	-	-	61	-	-	-	-	
QUEENSTOWN YARD.	Hull - - - £.					Hull - - - £.	35	30	-	65	-	65	-	-	See Abstract (p. 472).
	Rigging and Stores					Rigging and Stores	162	1	-	163	42	121	-	-	
	TOTAL - - - £.					TOTAL - - - £.	197	31	-	228	42	186	-	-	
	Boilers and Engineers' Fittings. Engineers' Stores					Boilers and Engineers' Fittings. Engineers' Stores	1 60	- -	- -	1 60	- -	1 60	-	-	
TOTAL - - - £.							61	-	-	61	-	61	-	-	

A B S T R A C T.

S E R V I C E.	Page.	DESCRIPTION.	Detailed Head of Charge.	Value of Materials Issued.	Wages.	Payments to Con- tractors, &c. Made and Allowed at Admiralty.	Gross Total, excluding Incidental and Estab- lishment Charges.	Value of Materials Returned.	Net Total, excluding Incidental and Estab- lishment Charges.	Incidental and Establishment Charges.	Total Expense, inclusive of Incidental and Estab- lishment- Charges.
				£.	£.	£.	£.	£.	£.	£.	£.
No. 2.—Wear and Tear and Maintenance of the Fleet, in Commission and in Reserve, including Repairs, Refits, Alterations, Works rendered necessary by New Armaments, and the Renewal of Worn-out and Perishable Stores, such as Rigging, Rope, Sails, Blocks, &c. :—	468	Iron Clads built by Contract.	Engineers' Stores - - -	8	—	—	8	—	8	1	9
	468	Iron Clads built in Her Majesty's Dockyards.	Hull - - - - -	5	—	—	5	—	5	—	5
	470	Not Iron Clad	Hull - - - - - Masts and Yards - - - Rigging and Stores - - - Boilers and Engineers' Fittings Engineers' Stores - - - TOTAL - - - - £.	44 21 1,027 6 358 1,456	26 4 9 — — 39	— — — — — —	70 25 1,036 6 358 1,495	— — 226 1 2 229	70 25 810 5 356 1,266	782	2,048
In Commission - - - - -											
No. 4.—Steam Tugs, Yard Craft, Coal Depôts, &c., Building, Fitting, Refitting, &c. - - -	471		Hull - - - - - Rigging and Stores - - - Boilers and Engineers' Fittings Engineers' Stores - - - TOTAL - - - - £.	35 162 1 60 258	30 1 — — 31	— — — — —	65 163 1 60 289	— 42 — — 42	65 121 1 60 247	519	766
TOTAL - - - - -			Hull - - - - - Masts and Yards - - - Rigging and Stores - - - Boilers and Engineers' Fittings Engineers' Stores - - - GRAND TOTAL - - - £.	84 21 1,189 7 426 1,727	56 4 10 — — 70	— — — — — —	140 25 1,199 7 426 1,797	— — 288 1 2 271	140 25 931 6 424 1,526	1,302	2,828

TOTAL, No. 2. In Commission - - - £. 2,062

Dr.

To INCOME ACCOUNT (p. 463) :—		£.	£.	By INCOME ACCOUNT (p. 464) :—	£.
For Amounts shown against the Services in the Detailed Account annexed, viz. :—				For Value of Materials returned into Store	20
Wages to Artificers, &c., including Extra Pay to Artificers of the Fleet	- - - - -	300			
Wages, Police Force	- - - - -	39			
Freight and sundry Expenses connected with Naval Stores	- - - - -	5		By OTHER THAN DOCKYARD SERVICES (p. 478) :—	
Repairs, Replacements, &c. of Buildings, Docks, &c.	- - - - -	1,234		For Proportion of Incidental and Establishment Charges on Materials issued to, and returned from, and on Labour employed on account of other Branches of the Naval Service, other Departments of Government, Private Individuals, &c.	517
Contingencies (Works and Repairs)	- - - - -	11	1,589		
To CAPITAL ACCOUNT (p. 466) :—				By OTHER YARDS (p. 480) :—	4
For Value of Stores drawn for the Services named in the Detailed Account			209	For Cost of Shipment of Stores to Devonport	
To OTHER YARDS (p. 480) :—				By SHIPS (p. 467) :—	1,302
For proportion of Cost of Shipment at Devonport of Stores received at Haulbowline Yard			45	For Amount of Net Expenditure appropriated <i>pro rata</i> to Sub-heads of Ships Building, &c. Account	
		£.	1,843		£.
					1,843

HAULBOWLINE DOCKYARD.—No. 5—continued.

DETAILED ACCOUNT of DOCKYARD CHARGES incidental to SHIP BUILDING, EQUIPPING, &c.

DETAILED HEAD OF CHARGE.	DEBITS.				CREDITS.			Net Amount Chargeable.
	Payments for Salaries, Rents, Contingencies, and other Charges.	Wages.	Materials Issued.	TOTAL.	Materials Returned.	Expense of Shipping Stores to other Yards, and other Credits.	TOTAL.	
	£.	£.	£.	£.	£.	£.	£.	£.
Transporting hawsers, launching rope gear, rope for guys and stages; blocks, planks, bilgeways, cleats, timber, &c., for launching and docking ships, shores, spauls, stage deals, launching booths, floating stages of all kinds, wedges, harpins, and ribands, blocks under new ships, brows, temporary ladders for, and housing over, ships, &c., screws for securing plank, &c.; <i>except</i> when it has been possible to charge the expense direct to the ship on account of which it is incurred	-	34	15	49	-	-	-	49
Replacement and maintenance of yard boats	-	26	79	105	6	-	6	99
Loan tool store, including repairs and replacement of tools for general service of the yard, but not for conversion shops	-	-	35	35	2	-	2	33
Collecting old timber, chips, and stores for sale, and cleaning and clearing the yard and docks	-	46	5	51	-	-	-	51
Coals, candles, furniture, and other stores for officers' offices	-	-	31	31	1	-	1	30
Wages of all single stationed men and boats' crews, to include draughtsmen (except those in the mould loft), writers (except writers at Ropery and manufacturing writers at Shops, whose pay should be charged thereto) acting officers on day pay, signalmen, messengers, postmen, labourers, and boys employed on general duties, not chargeable to any other detailed head of service; also petty stores used in connection with services on which these men are employed; but not including any expenses which could be charged to any specific ship or service: share of	-	14	21	35	-	-	-	35
Other Miscellaneous Charges	-	16	-	16	-	-	-	16
Docks, slips, and basins, including housings over docks and slips, sheds, workshops, caissons, timber racks, temporary roofs, and all other buildings; and waterworks for supplying the yard and for extinguishing fire; repairs, replacements, and maintenance of	1,234	-	-	1,234	-	-	-	1,234
Contingencies (Works and Repairs)	11	-	-	11	-	-	-	11
Wages, Police Force: share of	39	-	-	39	-	-	-	39
TOTAL, Incidental and Establishment Charges, } £. distributable <i>pro ratâ</i> on Wages	1,284	136	186	1,606	9	-	9	1,597
Landing, surveying, receiving, depositing, and issuing stores	-	151	3	154	-	-	-	154
Continuous survey and survey valuation of stock	-	9	-	9	-	-	-	9
Shipping off timber and stores to other yards at home and abroad, including the cost of packing cases and casks only when new, and only at the yards shipping the stores	-	-	15	15	11	-	11	4
Preservation of timber, boats, and other stores	-	4	5	9	-	-	-	9
Freight and sundry expenses connected with naval stores	5	-	-	5	-	-	-	5
Expenses incurred at other yards, &c., shipping stores to Haulbowline	45	-	-	45	-	-	-	45
Expenses incurred at Haulbowline shipping off stores to other yards	-	-	-	-	-	4	4	4
TOTAL, Incidental and Establishment Charges, } £. distributable <i>pro ratâ</i> on Materials	50	164	23	237	11	4	15	222
TOTAL	1,334	300	209	1,843	20	4	24	1,819

HAULBOWLINE DOCKYARD.

No. 6.

HARBOUR AND DOCKYARD NATIONAL CHARGES.

Dr.	Cr.	
To INCOME ACCOUNT (p. 465) :—	£.	£.
For Amounts shown against the Services in the Detailed Account annexed, viz. :—		
Wages to Artificers, &c., including Extra Pay to Artificers of the Fleet - - - - -	332	
Wages, Police Force - - - - -	39	
Temporary Superintendence, &c. of Engineering and Architectural Works and Repairs - - - - -	1,338	
	1,709	
To CAPITAL ACCOUNT (p. 466) :—		
For Value of Gross Issues of Stores, as per Detailed Account - - - - -	120	
	£.	£.
	1,829	1,829
		1,819

To INCOME ACCOUNT (p. 465) :—

For Amounts shown against the Services in the Detailed Account annexed, viz. :—

Wages to Artificers, &c., including Extra Pay to Artificers of the Fleet - - - - -

Wages, Police Force - - - - -

Temporary Superintendence, &c. of Engineering and Architectural Works and Repairs - - - - -

By BALANCE ACCOUNT (p. 481) :—

For Net Charge for the Year, being proportion of Incidental and Establishment Charges not considered applicable to Ships - - -

HAULBOWLINE DOCKYARD.—No. 6—continued.

DETAILED ACCOUNT of HARBOUR and DOCKYARD NATIONAL CHARGES.

DETAILED HEAD OF CHARGE.	DEBITS.				CREDITS.	Net Amount Chargeable.
	Payments for Salaries, Rents, Contingen- cies, and other Charges.	Wages.	Materials Issued.	TOTAL.	Materials Returned.	
	£.	£.	£.	£.	£.	£.
Harbour and Dockyard Gear: viz., cables, pendants, chains, swivels, bridles, and buoys	-	292	98	390	10	380
Dockyard chapel, chemical lecture room and laboratory, school for apprentices, police station and military guard room (labour and petty stores)	-	-	2	2	-	2
Wages of all single stationed men and boats' crews, to include draughtsmen (except those in the mould loft), writers (except writers at Ropery and manufacturing writers at other Shops, whose pay should be charged thereto), acting officers on day pay, signalmen, messengers, postmen, labourers, and boys employed on general duties, not chargeable to any other detailed head of service; also petty stores used in connection with services on which these men are employed, but not including any expenses which could be charged to any specific ship or service: share of	-	15	20	35	-	35
Holidays -	-	10	-	10	-	10
Other Miscellaneous Charges -	-	15	-	15	-	15
Wages, Police Force: share of -	39	-	-	39	-	39
Temporary Superintendence, &c. of Engineering and Archi- tectural Works and Repairs	1,338	-	-	1,338	-	1,338
TOTAL Harbour and Dockyard National Charges - £.	1,377	332	120	1,829	10	1,819

HAULBOWLINE DOCKYARD.

AND OTHER DOCKYARD TRANSACTIONS IN FINANCIAL YEAR 1874-75.

477

No. 7.

DEPRECIATION AND APPRECIATION ACCOUNT.

Dr.

Cr.

To CAPITAL ACCOUNT (p. 466):—		£.	£.
For Value of Stores drawn from Stock on Survey:			
Timber	-	—	-
Stores	-	13	-
For Decrease in the Value of Stock on Annual Re-valuation:			
Timber	-	—	-
Stores	-	926	-
For Approximate Value of Stock found Deficient on Continuous Survey:			
Timber	-	—	-
Stores	-	165	-
For Value of Stores drawn from Stock on Sale:			
Timber	-	—	-
Stores	-	—	-
For Deterioration in the Value of Plant (Buildings)			
		2,890	
			£.
			3,994
By INCOME ACCOUNT (p. 464):—			
For Value of Stores returned to Stock after Survey:			
Timber	-	-	-
Stores	-	37	-
For Increase in the Value of Stock on Annual Re-valuation:			
Timber	-	—	-
Stores	-	504	-
For Approximate Value of Stock found Surplus on Continuous Survey:			
Timber	-	—	-
Stores	-	165	-
For Value of Lost Articles recovered by the Police, &c.			
		—	703
For Proceeds of Sale (Cash not shown in Stock Valuation Account):			
Timber	-	—	-
Stores	-	—	-
By BALANCE ACCOUNT (p. 481):—			
For Net Charge on Account of—			
Loss by Surveys of Stores		398	-
Loss in the Value of Plant (Buildings)		2,890	-
			3,288
			£.
			3,994

HAULBOWLINE DOCKYARD.

No. 8.

OTHER THAN DOCKYARD SERVICES—

Dr.		Supplies to, or Work for, other Branches of the Naval Service, other Departments of Government, Foreign Governments, Private Individuals, &c.		Cr.
		£.		£.
To INCOME ACCOUNT (p. 465):			By INCOME ACCOUNT (p. 464):	
For Expenditure during the Year:			For Value of Materials returned into Store	98
Wages to Artificers, &c., not chargeable to Vote 6		31		
To CAPITAL ACCOUNT (p. 466):			By BALANCE ACCOUNT (p. 481):	
For Value of Gross Issues of Stores, as per Detailed Account.		313	For Net Charges to Services for the Financial Year 1874-75, not pertaining to Dockyards	763
To DOCKYARD CHARGES INCIDENTAL TO SHIP BUILDING, EQUIPPING, &c. (p. 473):				
For Proportion of Incidental and Establishment Charges on Materials issued to, and returned from, and on Labour employed on account of other Branches of the Naval Service, other Departments of Government, Private Individuals, &c.		517		
		861		861
				£.

By INCOME ACCOUNT (p. 464):

For Value of Materials returned into Store

By BALANCE ACCOUNT (p. 481):

For Net Charges to Services for the Financial Year 1874-75, not pertaining to Dockyards

HAULBOWLINE DOCKYARD.—No. 8—continued.

DETAILED ACCOUNT of other than DOCKYARD SERVICES—Supplies to, or Work for, other Branches of the Naval Service, other Departments of Government, Foreign Governments, Private Individuals, &c.

DESCRIPTION OF SERVICE.	DEBITS.				CREDITS.	Net Charge to Services not pertaining to Dockyards.
	Wages.	Materials Issued.	Per-centage and other Charges on Supplies, for use of Plant, &c., and other Charges.	TOTAL.	Materials Returned.	
	£.	£.	£.	£.	£.	£.
Furniture for the residence and office of the Port Admiral, Secretary, &c., Vote No. 14 - - - - - }	-	1	-	1	-	1
Plate, Linen, &c., supplied to Flag Officers in command, and to Officers in command of Her Majesty's Ships, on condition of its value being repaid - - - - - }	-	-	-	-	81	81
New Buildings, &c. (Vote No. 11)—Dockyard or Factory Labour and Materials, when not chargeable to Contractors - }	-	135	-	135	2	133
Value of Stores supplied to, and Labour employed on account of, "Other Branches of the Naval Service," not chargeable to the Votes for Dockyard Services - - - - - }	3	8	-	11	1	10
Value of Stores supplied to, and Labour employed on account of, "Other Departments of Government" - - - - - }	27	127	-	154	4	150
Value of Stores supplied to, and Labour employed on account of, "Private Individuals and Contractors for Vessels and New Works" - - - - - }	1	42	-	43	4	39
Value of Stores supplied to, and Labour employed on account of, "Coast Guard Stations on Shore" - - - - - }	-	-	-	-	6	6
Proportion of Incidental and Establishment Charges on Materials issued to, and returned from, and on Labour employed on account of other Branches of the Naval Service, other Depart- ments of Government, Private Individuals, &c. - - - - - }	-	-	517	517	-	517
£.	31	313	517	861	98	763

HAULBOWLINE DOCKYARD.

No. 10.

OTHER YARDS.

Cr.

Dr.

		£.	£.
To CAPITAL ACCOUNT (p. 466):— For Value of Gross Issues of Stores, per Bills of Lading, to be accounted for at the following Yards, viz.:— Devonport - - - - -			
		1,721	
			2,299
To DOCKYARD CHARGES INCIDENTAL TO SHIP BUILDING, EQUIPPING, &c. (p. 473):— For Cost of Shipment of Stores to Devonport Yard - - - - -			
		4	
			45
To BALANCE ACCOUNT (p. 481):— For Surplus of Receipts from, over Issues to, other Yards, including Cost of Shipment - - - - -			
		619	
		2,344	2,344
			£.

By INCOME ACCOUNT (p. 462):—

For Value of Stores received, per Bills of Lading, from—

Devonport - - - - -

By DOCKYARD CHARGES INCIDENTAL TO SHIP BUILDING,
EQUIPPING, &c. (p. 473):—For Proportion of the Cost of Shipment at Devonport, of Stores received
at Haulbowline Yard - - - - -

HAULBOWLINE DOCKYARD.

No. 11
BALANCE ACCOUNT.

Cr.

Dr.

Dr.	£.	£.	Cr.
To INCOME ACCOUNT (p. 465):			
For adjusting Entries on account of Value of Stores taken on charge by Storekeeper, prior to this Financial Year, but paid for in this Year - - - - -	—	27,842	
For Value of Metal and Metal Articles issued to other Departments, &c., in excess of those received and paid for in the Year - - - - -	54	—	
For Value of Hemp, Canvas, &c., issued to other Departments, &c., in excess of those received and paid for in the Year - - - - -	67	—	
For Value of Paint, &c., issued to other Departments, &c., in excess of that received and paid for in the Year - - - - -	70	—	
For Payments to the Exchequer of Proceeds of Sale of Old Stores, &c. - - - - -	—	424	
To CAPITAL ACCOUNT (p. 466):			
For Value of Coals issued to Ships for Steaming Purposes, and Wages, &c., for Coaling - - - - -	1,802	31	
For Balance carried to next Year's Account, viz.: - - - - -		—	28,297
Value of Land - - - - -	1,450		
Value of Buildings - - - - -	285,785		
Value of Machinery - - - - -	1,405		
Value of Stock - - - - -	9,919		
To SHIPS (p. 467):			
For Net Expenditure charged to Ships in the Year - - - - -	298,559		
To HARBOUR AND DOCKYARD NATIONAL CHARGES (p. 475):			
For Net Expenditure in the Year - - - - -	2,838		
To DEPRECIATION AND APPRECIATION ACCOUNT (p. 477):			
For Net Charge in the Year - - - - -	1,819		
To OTHER THAN DOCKYARD SERVICES (p. 478):			
For Net Charge to Services not pertaining to Dockyards - - - - -	3,288		
To OTHER YARDS (p. 480):			
For Value of Stores issued to other Yards, &c., including Cost of Shipment - - - - -	1,725		
	310,975		
		280,334	
		2,344	
		£.	310,975
By INCOME ACCOUNT (p. 462):			
For Expenditure, per Statement of Surpluses and Deficiencies, Votes 6, 10, and 11 - - - - -			
VOTE 10.—For Estimated Current Charge for Deferred Annuities - - - - -			
For adjusting Entry, principally consisting of the Value of Stores paid for by other Departments, &c., and consequently not appearing as a final Financial Charge, Vote 10, Sect. I. - - - - -			
For Amounts for Services other than those pertaining to Dockyards - - - - -			
For Stores taken on charge by Storekeeper, and debited to the Stock up to the last day of the Financial Year, but not paid for in the Year - - - - -			
By CAPITAL ACCOUNT (p. 466):			
For Balance from last Year, as per Detailed Account, viz.: - - - - -			
Value of Land - - - - -		1,450	
Value of Buildings - - - - -		267,180	
Value of Machinery - - - - -		1,405	
Value of Stock - - - - -		10,299	
By OTHER YARDS (p. 480):			
For Value of Stores received from other Yards, &c., including Cost of Shipment - - - - -			
		£.	310,975

FOREIGN YARDS.

INDEX.

	PAGE
Statement connecting Navy Estimates and Expense Accounts - - -	484
General Balance Sheet - - - - - No. 1 - -	486
Income Account - - - - - No. 2 - -	488
Capital Account - - - - - No. 3 - -	492
Ships Account - - - - - No. 4 - -	493
Account of Dockyard Charges incidental to Shipbuilding, Equipping, &c. - - - - - No. 5 - -	614
Harbour and Dockyard National Charges Account - - No. 6 - -	618
Depreciation and Appreciation Account - - - No. 7 - -	620
Account of other than Dockyard Services - - - No. 8 - -	621
Conversions Account - - - - - No. 9 - -	623
Account of Supplies to, and Receipts from, other Yards - No. 10 - -	624
Balance Account - - - - - No. 11 - -	625
Addendum to Ship Account - - - - - - - -	626

FOREIGN YARDS.

STATEMENT showing the Total Amounts granted and the Total Amounts expended for the NAVY under each Vote as they appear in the published RETABULATION of the STATEMENT of SURPLUSES and DEFICITS on the NAVY GRANTS, No. 183, of Session 1876; also, Portion of Division 1 appertaining to FOREIGN YARDS (pp. 592 to 597 of Report).

Number of Vote.	TITLE OF VOTE.	Division 1. NAVAL YARDS.				Number of Vote.	Portion of Division 1 appertaining to FOREIGN YARDS.			
		Expenditure.		Grant.			Expenditure.		Grant.	
		Page in Retabulation of Navy Statement of the Surpluses and Deficits.	£.	Page in Retabulation of Navy Statement of the Surpluses and Deficits.	£.		Page in Retabulation of Navy Statement of the Surpluses and Deficits.	£.	Page in Retabulation of Navy Statement of the Surpluses and Deficits.	£.
6	DOCKYARDS AND NAVAL YARDS AT HOME AND ABROAD " " " " " " " " }	14	1,253,610	14	1,253,326	6	15	115,514	15	107,185
10	NAVAL STORES FOR THE BUILDING, REPAIR, AND OUTFIT OF THE FLEET AND COAST GUARD, STEAM MACHINERY, AND SHIPS BUILT BY CONTRACT:									
	SECT. I.—NAVAL STORES " " " " }	14	1,378,383	14	1,175,159	10, Sect. I.	15	86,279	15	30,000
	SECT. II.—STEAM MACHINERY AND SHIPS BUILT BY CONTRACT " " " " }	14	823,657	14	823,679	10, Sect. II.	15	3,911	15	—
11	NEW WORKS, BUILDINGS, MACHINERY, AND REPAIRS " " " " " " " " }	14	502,671	14	579,209	11	15	42,176	15	52,761
	TOTAL VOTES, 6, 10, AND 11 " " " " }	14	3,958,321	14	3,836,373	- -	15	247,880	15	189,946
16	SECT. II.—CIVIL PENSIONS AND ALLOWANCES	14	167,125	14	162,899	16, Sect. II.	-	•• 2,553	-	+ 2,553
	TOTAL Division 1, NAVAL YARDS " " £.		4,125,446	14	3,999,272					
TOTAL Portion of Division 1 appertaining to FOREIGN YARDS " " £.								250,433	-	192,499

** To meet the Estimated Current Charge for Deferred Annuities, equal to 7 per cent. on the Salaries to Dockyard Officers, and on the Total Wages paid in the Year to Established Workmen, on account of the prospect of Pensions on their Retirement; see Paper from the Actuary of the National Debt, page viii* of Parliamentary Paper, No. 454, of Session 1867.

In the Retabulation of the Statement of the Surpluses and Deficits, the whole Amount against Vote 16, Sect. II., chargeable to Division 1, "Naval Yards," is shown under Column "Other than Yards." In this Account, however, the amount for the Foreign Yards has been calculated in accordance with the principle laid down by the Actuary of the National Debt (see Note above).

† The amounts inserted in the "Grant" columns for the several Yards are the same as the calculated Expenditure. Supplementary Estimates are included in the amounts appearing in the "Grant" columns.

H. WALKER,
Accountant General of the Navy,
and Comptroller of Navy Pay.

No. 1.
EXPENSE ACCOUNTS.

FOREIGN YARDS.

ANNUAL BALANCE SHEET of SHIP-BUILDING and other DOCKYARD
TRANSACTIONS in Financial Year 1874-75.

No.

EXPENSE

FOREIGN

ANNUAL BALANCE SHEET of SHIP-BUILDING and

*Dr.*For Details, *see separate*

To Amount Paid, as per Statement of the Surpluses and Deficits, under the following Votes, and shown in the Income Account, viz. :—	Page.	£.
VOTE No. 6 :		
Salaries, &c. - - - - -	488	37,772
Rents, Rates, Taxes, and Water - - - - -	488	665
Lighting with Gas - - - - -	488	409
Contingencies - - - - -	488	984
Wages to Artificers, &c. - - - - -	488	55,318
Wages, Yard Service Afloat - - - - -	488	7,285
Hire of Teams - - - - -	488	695
Wages, Police Force - - - - -	488	9,508
Extra Pay to Artificers of the Fleet - - - - -	488	2,878
TOTAL VOTE No. 6 - - - - -	488	115,514
VOTE No. 10, Section I. :		
Naval Stores, &c. - - - - -	488	* 86,279
VOTE No. 10, Section II. :		
Steam Machinery, Experiments, &c. - - - - -	488	3,911
VOTE No. 11 :		
New Works, &c.—Buildings, Docks, &c. :		
Additions - - - - -	488	9,120
Repairs, Replacements, &c. - - - - -	488	21,800
Other New Works, the Details of which are shown in the Income Account - - - - -	488	7,526
New Works, &c.—Machinery :		
Additions - - - - -	488	1,308
Repairs, Replacement, &c. - - - - -	488	2,422
TOTAL VOTES, Nos. 6, 10, and 11 (Actual Money paid) - - -	488	247,880
† VOTE No. 16. Estimated Amounts as charged to Ships and Services	488	2,553
TOTAL VOTES, Nos. 6, 10, 11, and Estimated Amount of Vote } £. No. 16, being Total Debit from Parliamentary Votes - }	-	250,433
To Receipts from other Yards, including Cost of Shipment - - -	624	88,911
To adjusting Entry, principally consisting of the Value of Stores paid for by other Departments, &c., and consequently not appearing as a final Financial Charge to Vote 10, Sect. I. - - - - -	488	40,790
To Amounts for Services other than those pertaining to Dockyards - - -	490	7,068
To adjusting Entry on Account of the Value of Materials taken on charge by the Storekeeper, and debited to Stock, up to the last day of the Financial Year, but not paid for in the Year - - - - -	490	—
To Value of Land on 21st March 1874 - - - - -	677	155,907
To Value of Buildings on 21st March 1874 - - - - -	677	1,385,876
To Value of Machinery on 21st March 1874 - - - - -	677	62,675
To Value of Stock on 21st March 1874 - - - - -	691	594,892
TOTAL - - - - - £.		2,586,552

† To meet the Estimated Current Charge for Deferred Annuities, equal to 7 per cent. on the Salaries to Dockyard Officers, and on the Total Wages paid in the Year to Established Workmen, on account of the prospect of Pensions on their Retirement; *see* Paper from the Actuary of the National Debt, page viii* of Parliamentary Paper, No. 454, of Session 1867.

* The difference between this amount and that shown in the Income Account, page 488, and the Balance Account, page 625, is caused through the value of Timber, Metal, Hemp, Paint, &c., issued to other Departments, being in excess of that received and paid for in the year. In the Income and Balance Accounts the Gross is shown, whereas the amount appearing here is the Net Aggregate Amount.

1.

A C C O U N T S.

YARDS.

other DOCKYARD TRANSACTIONS in Financial Year 1874-75.

Accounts (Nos. 2 to 11).

Cr.

By Expenditure under the following Heads, as per Detailed Ship Accounts, viz.:—	Page.	£.
Ships Building and Completing for Sea Service - - -	-	-
Maintaining Ships in Commission - - - - -	612	171,632
Maintaining, Repairing, &c. Ships in the Reserves - - -	613	3,164
Hulks Repairing, &c. - - - - -	613	928
Steam Tugs, Yard Craft, Coal Depôts, &c., Building, Fitting, } Refitting, &c. - - - - -	613	9,598
*Ships and Vessels, breaking up - - - - -	613	924
		184,308
By Coals, and Wages for Coaling Steam Ships - - - - -	625	68,529
By Value of Materials issued to Contractors for Re-manufacture -	492	674
By Net Expenditure for Harbour and Dockyard National Services -	618	44,963
By Net Charge to Depreciation Account - - - - -	620	40,462
By Net Expenditure for Services other than those pertaining to } Dockyards - - - - -	621	70,857
By Payments to Exchequer of Proceeds of Sale of Old Stores, &c. -	491	791
By Issues to other Yards, including Cost of Shipment - - -	624	19,810
By adjusting Entries for Stores paid for in the Year, but taken on } charge, and included in Value of Stock in the preceding Year - }	491	5,737
By Portion of the Storekeeper and Accountant's Salaries, estimated as } chargeable to the Victualling Establishments at Halifax and Hong } Kong - - - - -	491	1,139
By Wages at Singapore, included in Statement of Surplus and Deficits } for which no Accounts of Appropriation to Ships and Services have } been furnished - - - - -	491	58
By Value of Land on 20th March 1875 - - - - -	677	155,907
By Value of Buildings on 20th March 1875 - - - - -	677	1,367,090
By Value of Machinery on 20th March 1875 - - - - -	677	63,983
By Value of Stock on 20th March 1875 - - - - -	691	562,145
TOTAL - - - £.		2,586,552

* The Figures in *Italics* show the Amount of Net Credits for Stores, &c. returned.

H. WALKER,
Accountant General of the Navy, and
Comptroller of Navy Pay.

FOREIGN

No.

INCOME

Dr.

TO BALANCE ACCOUNT (p. 625):

For Amounts which have come in course of Payment, in the Financial Year, under the following Votes of the Naval Estimates appertaining to the Foreign Yards, as per Surpluses and Deficits Account, viz.:—

VOTE No. 6:

	£.	
Salaries, &c.	37,772	
Rents, Rates, Taxes, and Water	665	
Lighting with Gas	409	
Contingencies	984	
Wages to Artificers, &c.	55,318	
Wages, Yard Service Afloat	7,285	
Hire of Teams	695	
Wages of Police Force	9,508	
Extra Pay to Artificers of the Fleet	2,878	
		115,514

VOTE No. 10, Section I.:

Timber, Masts, Deals, &c.	—	
Metals and Metal Articles	—	
Coals and other Fuel	65,287	
Hemp, Canvas, &c.	—	
Paint Materials, Oil, Pitch, &c.	368	
Freight and sundry Expenses connected with Naval Stores	5,486	
	£.	
Purchase by Officers, &c., excluding Freight	21,595	
Ditto Freight	4,504	
		26,099
		97,240

VOTE No. 10, Section II.:

Payments for Boilers of "Antelope," Steam Cutter, No. 5, and Steam Launch, No. 49, and Banjo Frame for "Encounter"	3,781	
Payments on account of Experiments at Gibraltar (for Details, see page 695)	6	
Payments for Breaking up Ships	124	
		3,911

VOTE No. 11:

New Works, &c.—Land, Buildings, Docks, &c., viz.:—		
Additions	9,120	
Repairs, Replacements, &c.	21,800	
	£.	
Dredging in connection with Dockyard	1,751	
Dredging not in connection with Dockyard	2,778	
Contingencies (Works and Repairs)	1,122	
Ditto (Machinery)	319	
Temporary Superintendence, &c. of Engineering and Architectural Works and Repairs	1,556	
		7,526
New Works—Machinery:		
Additions	1,308	
Repairs, Replacements, &c.	2,422	
		42,176
		258,841

To BALANCE ACCOUNT (p. 625):

VOTE No. 16.—For Estimated Current Charge for Deferred Annuities, equal to 7 per cent. on the Salaries to Dockyard Officers, and on the Total Wages paid in the Year to Established Workmen, on account of the prospect of Pensions on their Retirement; see Paper from the Actuary of the National Debt, page viii* of Parliamentary Paper, No. 454, of Session 1867	2,553
For adjusting Entry, principally consisting of the Value of Stores paid for by other Departments, &c., and consequently not appearing as a final Financial Charge to Vote 10, Sect. I.	40,790
Carried forward	£. 302,184

YARDS.**2.****ACCOUNT.****Cr.****By SHIPS (p. 493):**

For Amount charged direct, viz.:—

Wages to Artificers, &c., including Wages, Yard Service Afloat, Hire of Teams, and Extra Pay to Artificers of the Fleet - - - - -

£.

27,805

Payments for Boilers of "Antelope," Steam Cutter, No. 5, and Steam Launch, No. 49, and Banjo Frame for "Encounter" - - - - -

3,781

Payments for Breaking up Ships - - - - -

124

31,710**By CAPITAL ACCOUNT (p. 492):**

For Value of Stores taken on charge during the Year as received from Contractors, including Fodder - - - - -

111,629

For Value of Stores taken on charge during the Year as returned from Ships - - - - -

47,205

For Value of Coals for Steaming purposes as returned from Ships - - - - -

591

For Value of Stores taken on charge during the Year as returned from Services incidental to Ship-building, Equipping, &c. - - - - -

1,098

For - ditto - as returned from Harbour and Dockyard National Services - - - - -

1,606

For - ditto - as returned from Depreciation and Appreciation of Stock, including Increase in Value of Stock on Annual Re-valuation - - - - -

36,208

For - ditto - taken on charge during the Year, as received from other than Dockyard Services - - - - -

6,187

For - ditto - from Conversions - - - - -

28,961

For - ditto - from other Yards - - - - -

85,562

319,047

For Additions to Buildings, Docks, &c. - - - - -

9,120

For Additions to Machinery - - - - -

1,308

10,428**By DOCKYARD CHARGES INCIDENTAL TO SHIPBUILDING, EQUIPPING, &c. (p. 614):**

For Amount charged on account of the under-mentioned Services, viz.:—

Salaries, &c. - - - - -

19,231

Rents, Rates, Taxes, and Water - - - - -

665

Lighting with Gas - - - - -

409

Contingencies - - - - -

984

Wages to Artificers, &c., including Wages, Yard Service Afloat, Hire of Teams, and Extra Pay to Artificers of the Fleet - - - - -

18,677

Wages, Police Force - - - - -

4,754

Freight and Sundry Expenses connected with Naval Stores - - - - -

9,990

Estimated Current Charge for Deferred Annuities on account of Pensions to Dockyard Officers and Established Workmen - - - - -

1,742

Repairs, Replacements, &c. of Buildings, Docks, &c. - - - - -

21,800

Dredging in connection with Dockyard - - - - -

1,751

Contingencies (Works and Repairs) - - - - -

1,122

Ditto (Machinery) - - - - -

319

Repairs, Replacements, &c. of Machinery - - - - -

2,422

83,866

Carried forward - - - £.

445,051

Dr.

FOREIGN YARDS. - - - - -

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No. 2.—INCOME ACCOUNT—*continued.*

Cr.

Brought forward - - -		£.	445,051
By HARBOUR AND DOCKYARD NATIONAL CHARGES (p. 618):		£.	
For Amount charged on account of the under-mentioned Services, viz.:—			
Salaries, &c. - - - - -	17,402		
Wages to Artificers, &c., including Wages, Yard Service Afloat, Hire of Teams, &c. - - - - -	12,412		
Wages, Police Force - - - - -	4,754		
Experimental purposes (for Details, <i>see</i> p. 695) - - - - -	6		
Dredging not in connection with Dockyards - - - - -	2,778		
Temporary Superintendence, &c. of Engineering and Architectural Works and Repairs - - - - -	1,556		
Estimated Current Charge for Deferred Annuities on account of Pensions to Dockyard Officers - - - - -	811		
			39,719
By OTHER THAN DOCKYARD SERVICES (p. 621):			
For Expenditure during the Year, viz.:—			
Wages to Artificers, &c., not chargeable to Vote 6 - - - - -	7,068		
Ditto - ditto - charged to Vote 6, Sub-head O. and P. - - - - -	44		
			7,112
By CONVERSIONS (p. 623):			
For Expenditure during the Year, viz.:—			
Wages to Artificers, &c., including Hire of Teams, &c. - - - - -			6,140
By BALANCE ACCOUNT (p. 625):		£.	
For Portion of the Storekeeper and Accountant's Salaries, estimated as chargeable to the Victualling Establishments at Halifax and Hong Kong - - - - -	1,139		
For Wages at Singapore, included in Statement of Surplus and Deficits for which no Accounts of Appropriation to Ships and Services have been furnished - - - - -	58		
For adjusting entry on account of the Value of Material taken on charge by Storekeeper prior to this Financial Year, but paid for in this Year - - - - -	5,737		
		£.	
For Value of Timber, &c., issued to other Departments, &c., in excess of that received and paid for in the Year - - - - -	1,341		
For Value of Metal and Metal Articles issued to other Departments, &c., in excess of those received and paid for in the Year - - - - -	4,660		
For Value of Hemp, Canvas, &c., issued to other Departments, &c., in excess of that received and paid for in the Year - - - - -	1,239		
For Value of Paint, &c., issued to other Departments, &c., in excess of that received and paid for in the Year - - - - -	3,721		
		10,961	
For Wages paid for issuing Coals to Ships for Steaming Purposes - - - - -	753		
For Payments to Exchequer of Proceeds of Sale of Old Stores, &c. - - - - -	791		
			19,439
		£.	517,461

BERMUDA NAVAL YARD.

NOT IRON CLAD:		IN COMMISSION:		ARGUS	
				300	981
				(764)	(—)
14 Nov. "	17 Dec. "	10 July 1874	3 Oct. 1874	26 Nov. "	26 Dec. "
Hull - - - - £.	Engines and Engineers' Fittings.	Hull - - - - £.	Engines and Engineers' Fittings.	Hull - - - - £.	Engines and Engineers' Fittings.
Rigging and Stores - -	Boilers and Engineers' Fittings.	Masts and Yards - -	Boilers and Engineers' Fittings.	Rigging and Stores - -	Engines and Engineers' Fittings.
Total - - - - £.	Engines' Stores - -	Rigging and Stores - -	Engines' Stores - -	Total - - - - £.	Engines' Stores - -
511	28	135	2	33	1
282	14	340	2	38	1
793	93	966	99	71	1
290	44	442	10	56	—
1	45	1	6	4	—
291	5	443	3	60	—
—	—	—	19	—	—
—	—	—	—	—	—
801	72	—	—	—	—
283	59	—	—	—	—
1,084	98	—	—	—	—
215	—	—	—	—	—
869	—	—	—	—	—
72	—	—	—	—	—
59	—	—	—	—	—
97	—	—	—	—	—
228	—	—	—	—	—
1	—	—	—	—	—
229	—	—	—	—	—
1,068	—	—	—	—	—
341	—	—	—	—	—
1,409	—	—	—	—	—
237	—	—	—	—	—
1,172	—	—	—	—	—
77	—	—	—	—	—
204	—	—	—	—	—
122	—	—	—	—	—
403	—	—	—	—	—
261	—	—	—	—	—
19	—	—	—	—	—
333	—	—	—	—	—
613	—	—	—	—	—
113	—	—	—	—	—
217	—	—	—	—	—
18	—	—	—	—	—
265	—	—	—	—	—
500	—	—	—	—	—
12	—	—	—	—	—
8	—	—	—	—	—
102	—	—	—	—	—
122	—	—	—	—	—
89	—	—	—	—	—
33	—	—	—	—	—
122	—	—	—	—	—
1	—	—	—	—	—

DRYAD	9	300 (1,464)	1,086 (1,574)	26 Dec. 1874	4 Jan. "	Hull - - - - -	6	22	—	28	—	28
						Rigging and Stores	9	1	—	10	—	10
						Total - - - £.	15	23	—	38	—	38
						Engines and Engineers' Fittings, Engineers' Stores - -	—	2	—	2	—	2
ECLIPSE	12	350 (1,946)	1,273 (1,755)	2 Mar. 1875	20 Mar. "	Engines' Stores - -	1	—	—	1	—	1
						Total - - - £.	1	2	—	3	—	3
						Hull - - - - -	5	16	—	21	—	21
						Rigging and Stores	213	6	—	219	53	166
NIOBE	5	300 (1,832)	1,083 (1,574)	16 April 1874	26 April 1874	Total - - - £.	218	22	—	240	53	187
						Engines' Stores - -	54	—	—	54	—	54
						Hull - - - - -	37	21	—	58	8	50
						Rigging and Stores	36	1	—	37	9	28
SEAGULL	3	180 (702)	663 (774)	21 Jan. 1875	17 Mar. 1875	Total - - - £.	73	22	—	95	17	78
						Hull - - - - -	12	28	—	40	—	40
						Masts and Yards - -	1	—	—	1	—	1
						Rigging and Stores	107	11	—	118	21	97
SPARTAN	8	350 (1,582)	1,269 (1,755)	23 Mar. 1874	30 Mar. 1874	Total - - - £.	120	39	—	159	21	138
						Boilers and Engineers' Fittings, Engineers' Stores - -	74	24	—	98	39	59
						Rigging and Stores	—	6	—	6	—	6
						Engines' Stores - -	294	13	—	307	25	282
				30 May "	24 June "	Total - - - £.	94	1	—	95	1	94
						Hull - - - - -	1	2	—	3	—	3
						Rigging and Stores	233	5	—	238	36	202
						Total - - - £.	234	7	—	241	36	205
				26 Nov. "	22 Jan. 1875	Total - - - £.	41	139	—	180	—	180
						Engines and Engineers' Fittings, Engineers' Stores - -	84	—	—	84	5	79
						Total - - - £.	125	139	—	264	5	259
						Engines' Stores - -	54	—	—	54	—	54
						Hull - - - - -	37	21	—	58	8	50
						Rigging and Stores	36	1	—	37	9	28
						Total - - - £.	73	22	—	95	17	78
						Hull - - - - -	12	28	—	40	—	40
						Masts and Yards - -	1	—	—	1	—	1
						Rigging and Stores	107	11	—	118	21	97
						Total - - - £.	120	39	—	159	21	138
						Boilers and Engineers' Fittings, Engineers' Stores - -	74	24	—	98	39	59
						Total - - - £.	94	1	—	95	1	94
						Hull - - - - -	1	2	—	3	—	3
						Rigging and Stores	233	5	—	238	36	202
						Total - - - £.	234	7	—	241	36	205
						Total - - - £.	41	139	—	180	—	180
						Engines and Engineers' Fittings, Engineers' Stores - -	84	—	—	84	5	79
						Total - - - £.	125	139	—	264	5	259
						Engines' Stores - -	54	—	—	54	—	54
						Hull - - - - -	37	21	—	58	8	50
						Rigging and Stores	36	1	—	37	9	28
						Total - - - £.	73	22	—	95	17	78
						Hull - - - - -	12	28	—	40	—	40
						Masts and Yards - -	1	—	—	1	—	1
						Rigging and Stores	107	11	—	118	21	97
						Total - - - £.	120	39	—	159	21	138
						Boilers and Engineers' Fittings, Engineers' Stores - -	74	24	—	98	39	59
						Total - - - £.	94	1	—	95	1	94
						Hull - - - - -	1	2	—	3	—	3
						Rigging and Stores	233	5	—	238	36	202
						Total - - - £.	234	7	—	241	36	205
						Total - - - £.	41	139	—	180	—	180
						Engines and Engineers' Fittings, Engineers' Stores - -	84	—	—	84	5	79
						Total - - - £.	125	139	—	264	5	259
						Engines' Stores - -	54	—	—	54	—	54
						Hull - - - - -	37	21	—	58	8	50
						Rigging and Stores	36	1	—	37	9	28
						Total - - - £.	73	22	—	95	17	78
						Hull - - - - -	12	28	—	40	—	40
						Masts and Yards - -	1	—	—	1	—	1
						Rigging and Stores	107	11	—	118	21	97
						Total - - - £.	120	39	—	159	21	138
						Boilers and Engineers' Fittings, Engineers' Stores - -	74	24	—	98	39	59
						Total - - - £.	94	1	—	95	1	94
						Hull - - - - -	1	2	—	3	—	3
						Rigging and Stores	233	5	—	238	36	202
						Total - - - £.	234	7	—	241	36	205
						Total - - - £.	41	139	—	180	—	180
						Engines and Engineers' Fittings, Engineers' Stores - -	84	—	—	84	5	79
						Total - - - £.	125	139	—	264	5	259
						Engines' Stores - -	54	—	—	54	—	54
						Hull - - - - -	37	21	—	58	8	50
						Rigging and Stores	36	1	—	37	9	28
						Total - - - £.	73	22	—	95	17	78
						Hull - - - - -	12	28	—	40	—	40
						Masts and Yards - -	1	—	—	1	—	1
						Rigging and Stores	107	11	—	118	21	97
						Total - - - £.	120	39	—	159	21	138
						Boilers and Engineers' Fittings, Engineers' Stores - -	74	24	—	98	39	59
						Total - - - £.	94	1	—	95	1	94
						Hull - - - - -	1	2	—	3	—	3
						Rigging and Stores	233	5	—	238	36	202
						Total - - - £.	234	7	—	241	36	205
						Total - - - £.	41	139	—	180	—	180
						Engines and Engineers' Fittings, Engineers' Stores - -	84	—	—	84	5	79
						Total - - - £.	125	139	—	264	5	259
						Engines' Stores - -	54	—	—	54	—	54
						Hull - - - - -	37	21	—	58	8	50
						Rigging and Stores	36	1	—	37	9	28
						Total - - - £.	73	22	—	95	17	78
						Hull - - - - -	12	28	—	40	—	40
						Masts and Yards - -	1	—	—	1	—	1
						Rigging and Stores	107	11	—	118	21	97
						Total - - - £.	120	39	—	159	21	138
						Boilers and Engineers' Fittings, Engineers' Stores - -	74	24	—	98	39	59
						Total - - - £.	94	1	—	95	1	94
						Hull - - - - -	1	2	—	3	—	3
						Rigging and Stores	233	5	—	238	36	202
						Total - - - £.	234	7	—	241	36	205
						Total - - - £.	41	139	—	180	—	180</

ZEPHYR	4	60 (534)	308 (436)	19 Mar. "	26 May "	Hull - - - £.	41	61	-	-	122	1	121	{ Docked for examination of valves, &c., and repair of copper on bottom, supplies, &c.
						Masts and Yards - -	-	3	-	-	8	-	8	
						Rigging and Stores -	27	11	-	-	38	-	38	
						Total - - - £.	68	95	-	-	163	1	162	
						Engines and Engineers' Fittings.	34	69	-	-	103	-	103	
						Boilers and Engineers' Fittings.	-	2	-	-	2	-	2	
						Engineers' Stores -	30	-	-	-	30	5	25	
						Total - - - £.	64	71	-	-	185	5	180	
						Hull - - -	13	44	-	-	57	8	49	
						Masts and Yards -	-	4	-	-	4	-	4	
				16 Oct. "	26 Oct. "	Rigging and Stores -	30	-	-	-	30	6	24	{ Casual repairs, supplies, &c.
						Total - - - £.	43	48	-	-	91	14	77	
						Engines and Engineers' Fittings.	27	23	-	-	50	-	50	
						Boilers and Engineers' Fittings.	2	4	-	-	6	-	6	
						Engineers' Stores -	21	4	-	-	25	-	25	
						Total - - - £.	50	31	-	-	81	-	81	
						Hull - - -	493	753	-	-	1,946	102	1,144	
						Masts and Yards -	14	27	-	-	41	1	40	
						Rigging and Stores -	2,298	166	-	-	2,464	617	1,847	
						TOTAL - - - £.	2,805	946	-	-	3,751	720	3,031	
				TOTAL - - -		Engines and Engineers' Fittings.	162	384	-	-	546	-	546	{ See Abstract (p. 506).
						Boilers and Engineers' Fittings.	179	224	-	-	403	56	347	
						Engineers' Stores -	658	12	-	-	670	18	652	
						TOTAL - - - £.	999	620	-	-	1,619	74	1,545	
						Hull - - -	239	290	-	-	529	3	526	
						Masts and Yards -	3	-	-	-	3	-	3	
						Rigging and Stores -	84	47	-	-	191	24	107	
						Total - - - £.	326	337	-	-	663	27	636	
						Engines and Engineers' Fittings.	10	9	-	-	19	6	13	
						Boilers and Engineers' Fittings.	20	34	-	-	54	-	54	
SCORPION	4	350 (1,455)	1,833 (2,751)	28 Mar. 1874	20 Mar. 1875	Total - - - £.	30	43	-	-	73	6	67	{ Docking, casual repairs, supplies, &c.
						Hull - - -	239	290	-	-	529	3	526	
						Masts and Yards -	3	-	-	-	3	-	3	
						Rigging and Stores -	84	47	-	-	191	24	107	
						Total - - - £.	326	337	-	-	663	27	636	
						Engines and Engineers' Fittings.	10	9	-	-	19	6	13	
						Boilers and Engineers' Fittings.	20	34	-	-	54	-	54	
						Total - - - £.	30	43	-	-	73	6	67	
						Hull - - -	239	290	-	-	529	3	526	
						Masts and Yards -	3	-	-	-	3	-	3	

IRON CLADS BUILT BY CONTRACT:

IN RESERVE:

SCORPION - - - 4 350 (1,455) 1,833 (2,751) 28 Mar. 1874 20 Mar. 1875

NOT IRON CLAD:

IN RESERV:

O. 1.

[illegible]

No. 4.—STEAM TUGS, YARD CRAFT, COAL DEPÔTS, BUILDING, FITTING, REFITTING, &c.

Yard to which the Craft is Attached.	Name and Description of Yard Craft.	Horse Power.	Tonnage.	PERIODS within which the Expense was incurred.		Detailed Head of Charge.	Value of Materials Issued.	Wages.	Payments to Contractors, &c. Made and Allowed at Admiralty.	Gross Total, excluding Incidentals and Establishment Charges.	Value of Materials Returned.	Net Total, excluding Incidentals and Establishment Charges.	Incidental and Establishment Charges.	Total Expense, inclusive of Incidentals and Establishment Charges.	REMARKS.
				From	To										
BERMUDA YARD.	ALBACORE (Steam Tank Vessel.)	60 (409)	235 (26 1/2)	4 April 1874	27 Feb. 1875	Hull Riggings and Stores	£. 3 11	£. 17 —	£. — —	£. 20 11	£. 1 —	£. 19 11	£.	£.	Casual repairs and completing fittings for a tank vessel.
						Total	£. 31	£. 1	£. 30	£.					
						Boilers and Engineers' Fittings, Engineers' Stores	£. — 19	£. — 19	£. — 19	£. — 19	£.				
					Total	£. 19	£. 1	£. — —	£. 20	£. — —	£. 20	£.	£.		

No. 7 (DIAMOND) (Tender to the Commander-in- Chief.)	23 Mar. "	11 April "	Hull - - - -	-	4	-	4	3	1	ditto - ditto.
	3 Oct. "	19 Dec. "	{ Hull - - - - Rigging and Stores -	3 1	6 -	- -	9 1	- -	9 1	
	21		Total - - - £.	4	6	-	10	-	10	
	7 Feb. 1875	20 Mar. 1875	Rigging and Stores -	13	-	-	13	-	13	
			{ Hull - - - - Rigging and Stores -	7 3	15 1	- -	22 4	3 -	19 4	
	204	18 April 1874	Total - - - £.	10	16	-	26	3	23	
			{ Engineers' Stores -	10	-	-	10	-	10	
			TOTAL - - -							
			{ Hull - - - - Masts and Yards - Rigging and Stores -	141 11 172	256 24 7	- - -	397 35 179	33 - 77	364 35 102	
			TOTAL - - - £.	324	287	-	611	110	501	
No. 20 ("Bar- muda" Buoy Boat).			{ Engines and Engineers' Fittings, Boilers and Engineers' Fittings, Engineers' Stores -	- 47 81	3 78 -	- 260 -	3 385 81	- 1 4	3 384 77	See Abstract (p. 507). Casual repairs, supplies and returns.
			TOTAL - - - £.	128	81	260	469	5	464	

No. 5.—SHIPS AND VESSELS BREAKING UP.

NAME OF SHIP.	Rate or Class of Ship.	Horse Power.	Tonnage.	PERIODS within which the Expense was incurred.		Detailed Head of Charge.	Value of Materials Issued.	Wages.	Payments to Con- tractors, &c. Made and Allowed at Admiralty.	Gross Total, excluding Incidental and Establish- ment Charges.	Value of Materials Returned.	Net Total, excluding Incidental and Establish- ment Charges.	Incidental and Estab- lishment Charges.	Total Expense, inclusive of Incidental and Estab- lishment Charges.	REMARKS.
				From	To										
TENEDOS (Hulk.)	5th Rate -	-	1,083	18 April 1874	20 Mar. 1875	Hull - TOTAL - £.	£.	£.	£.	£.	£.	£.	£.	£.	Returns arising from Breaking up Ship.

A B S T R A C T.

S E R V I C E.	Page.	DESCRIPTION.	Detailed Head of Charge.	Value of Materials Issued.	Wages.	Payments to Contractors, &c. Made and Allowed at Admiralty.	Gross Total, excluding Incidentals and Establishment Charges.	Value of Materials Returned.	Net Total, excluding Incidentals and Establishment Charges.	Incidental and Establishment Charges.	Total Expense, inclusive of Incidentals and Establishment Charges.
No. 2.—Wear and Tear and Maintenance of the Fleet, in Commission and in Reserve, including Repairs, Refits, Alterations, Works rendered necessary by New Armaments, and the Renewal of Worn-out and Perishable Stores, such as Rigging, Ropes, Sails, Blocks, &c.:—	496	Iron Clads built by Contract - - -	Hull - - -	£. 176	£. 464	—	£. 640	93	£. 547	£.	£.
			Rigging and Stores - -	421	42	—	463	132	381	1,609	1,845
			Engines and Engineers' Fittings - -	14	200	—	214	796	582		
			Engineers' Stores - - -	76	—	—	76	136	60		
			TOTAL - - - £.	687	706	—	1,393	1,157	236		
In Commission - - -	497	Iron Clads built in Her Majesty's Dockyards - -	Hull - - -	626	442	—	1,068	109	959		
			Rigging and Stores - -	340	1	—	341	128	213	1,333	2,908
			Engines and Engineers' Fittings - -	29	43	—	77	—	77		
			Boilers and Engineers' Fittings - -	111	93	—	204	—	204		
			Engineers' Stores - - -	118	6	—	124	2	122		
			TOTAL - - - £.	1,224	590	—	1,814	239	1,575		
Not Iron Clad - - -	501	Not Iron Clad - - -	Hull - - -	493	753	—	1,246	102	1,144		
			Masts and Yards - - -	14	27	—	41	1	40	3,644	8,220
			Rigging and Stores - -	2,298	166	—	2,464	617	1,847		
			Engines and Engineers' Fittings - -	162	384	—	546	—	546		
			Boilers and Engineers' Fittings - -	179	224	—	403	56	347		
			Engineers' Stores - - -	658	12	—	670	18	652		
			TOTAL - - - £.	3,804	1,566	—	5,370	794	4,576		

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5(2)	Iron Clads built by Contract - - -	In Reserve - - -	Hull - - -	349	451	-	800	21	779	1,276	2,310
			Masts and Yards - - -	13	1	-	14	30	46		
			Rigging and Stores - - -	108	67	-	175	62	113		
			Engines and Engineers' Fittings - - -	38	37	-	75	14	61		
			Boilers and Engineers' Fittings - - -	31	66	-	97	-	97		
TOTAL - - - £.			539	622	-	1,161	127	1,034			
503	Not Iron Clad - - -		Hull - - -	317	487	-	804	363	441	912	
			Masts and Yards - - -	-	5	-	5	11	6		
			Rigging and Stores - - -	54	63	-	117	805	688		
			Engines and Engineers' Fittings - - -	1	48	-	49	299	250		
			TOTAL - - - £.	372	603	-	975	1,478	503		
505	No. 4.-Steam Tugs, Yard Craft, Coal Depôts, &c., Building, Fitting, Refitting, &c. - - -		Hull - - -	141	256	-	397	33	364	780	1,745
			Masts and Yards - - -	11	24	-	35	-	35		
			Rigging and Stores - - -	172	7	-	179	77	102		
			Engines and Engineers' Fittings - - -	-	3	-	3	-	3		
			Boilers and Engineers' Fittings - - -	47	78	260	385	1	384		
			Enginers' Stores - - -	81	-	-	81	4	77		
TOTAL - - - £.			452	368	260	1,080	115	965			
5(5)	No. 5.-Ships and Vessels Breaking up - - -		Hull - - -	-	-	90	90	719	629	107	522
	TOTAL - - -		Hull - - -	2,102	2,853	90	5,045	1,440	3,605	10,164	17,418
			Masts and Yards - - -	38	57	-	95	42	53		
			Rigging and Stores - - -	3,383	346	-	3,739	1,821	1,918		
			Engines and Engineers' Fittings - - -	244	720	-	964	1,109	1,455		
			Boilers and Engineers' Fittings - - -	368	461	260	1,089	57	1,082		
			Enginers' Stores - - -	933	18	-	951	160	791		
GRAND TOTAL - - - £.			7,078	4,455	350	11,883	4,629	7,254			

CAPE OF GOOD HOPE NAVAL YARD.

CAPE OF GOOD HOPE NAVAL YARD.—No. 4.—SHIPS—continued.

DETAILED SHIP ACCOUNT, showing the Amount of WAGES Paid, the Value of MATERIALS Issued and Returned, and the Share of INCIDENTAL and ESTABLISHMENT CHARGES on account of each Sub-Head of SHIPS Building, Repairing, &c., during the Year ended 20th March 1875.

No. 2.—WEAR AND TEAR AND MAINTENANCE OF THE FLEET, IN COMMISSION AND IN RESERVE, including REPAIRS, REFITS, ALTERATIONS, WORKS rendered necessary by NEW ARMAMENTS, and the RENEWAL of WORN-OUT and PERISHABLE STORES, such as RIGGING, ROPE, SAILS, BLOCKS, &c.

Note.—The Figures printed in *Italics* in the Money Columns show the Amount of Net Credits for Stores, &c. returned.

NAME OF SHIP	Number of Guns.	Horse Power.	Tonnage.	PERIODS within which the Expense was incurred.		Detailed Head of Charge.	Value of Materials Issued.	Wages.	Payments to Con- tractors,&c. Made and Allowed at Admiralty.	Gross Total, excluding Incidental and Estab- lishment Charges.	Value of Materials Returned.	Net Total, excluding Incidental and Estab- lishment Charges.	Incidental and Estab- lishment Charges.	Total Expense, inclusive of Incidental and Estab- lishment Charges.	REMARKS.		
				From	To												
NOT IRON CLAD:																	
IN COMMISSION:																	
ACTIVE - - -	- 10	600 (4,015)	2,322 (3,078)	13 Aug. 1874	26 Nov. 1874	Hull - - - Masts and Yards - - Rigging and Stores - - Total - - - £.	£. 214 16 1,096 1,326	£. 176 2 73 251	£. — — — —	£. 390 18 1,169 1,577	£. 7 — 237 244	£. 383 18 932 1,383	£.	£.	Casual repairs, supplies, &c.		
ADVENTURE - - -	2	400 (1,227)	1,794 (2,510)	5 Sept. "	12 Sept. "	Engines and Engineers' Fittings.	32	35	—	67	—	67	67	—	—	- ditto - ditto.	
						Enginers' Stores - -	251	2	—	253	14	239	—	—	—		
						Total - - - £.	283	37	—	320	14	306	—	—	—		
						Hull - - - Rigging and Stores - - Total - - - £.	13 25 38	7 1 8	— — —	20 26 46	— 3 3	20 23 43	—	—	—		
BARRACOUTA - - -	5	300 (881)	1,053 (—)	21 Sept. "	26 Sept. "	Enginers' Stores - -	1	—	—	1	—	1	—	—	- ditto - ditto.		
						Hull - - - Rigging and Stores - - Total - - - £.	5 159 164	3 1 4	— — —	8 160 168	— — —	8 160 168	—	—		—	
						Enginers' Stores - -	20	—	—	20	—	20	—	—		—	—
						Total - - - £.	20	—	—	20	—	20	—	—		—	—

PASILISK	-	5	400 (1,033)	1,031 (-)	16 Sept. "	23 Sept. "	Hull - - - -	-	-	-	-	13	-	-	22	-	22	22
							Rigging and Stores	-	-	-	4	-	-	93	3	90		
							Total - - - £.	-	-	-	17	-	115	3	112			
							Engineers' Stores -	-	-	-	-	-	15	-	15			
BEACON	-	1	120 (506)	465 (554)	1 April "	19 Aug. "	Hull - - - -	-	-	-	-	149	-	-	342	18	324	
							Rigging and Stores	-	-	-	14	-	282	43	239			
							Total - - - £.	-	-	-	163	-	624	61	563			
							Engines and Engineers' Fittings, Boilers and Engineers' Fittings, Engineers' Stores -	-	-	-	130	-	217	-	217			
CADMUS	-	17	400 (1,531)	1,466 (2,167)	8 Sept. "	12 Sept. "	Hull - - - -	-	-	-	-	7	-	-	23	-	23	
							Masts and Yards	-	-	-	1	-	8	-	8			
							Rigging and Stores	-	-	-	-	-	68	16	52			
							Total - - - £.	-	-	-	8	-	99	16	83			
DECOY	-	4	60 (159)	295 (430)	- On the 17th Aug. 1874 -	-	Engineers' Stores -	-	-	-	-	-	-	19	-	-	19	
							Rigging and Stores	-	-	-	-	-	-	2	2			
							Rigging and Stores	-	-	-	-	-	151	-	151			
							Casual returns, &c.	-	-	-	-	-	-	-	-			
DORIS	-	24	800 (3,005)	2,483 (3,803)	- On the 15th Mar. 1875 -	-	Hull - - - -	-	-	-	-	55	-	-	249	13	236	
							Masts and Yards	-	-	-	-	-	106	5	101			
							Rigging and Stores	-	-	-	13	-	876	311	565			
							Total - - - £.	-	-	-	68	-	1,231	329	902			
ENCOUNTER	-	14	350 (2,127)	1,405 (1,934)	17 July 1874	19 Sept. 1874	Engines and Engineers' Fittings, Boilers and Engineers' Fittings, Engineers' Stores -	-	-	-	-	65	-	-	91	2	89	
							Total - - - £.	-	-	-	73	-	399	2	397			
							Casual repairs, supplies, &c.	-	-	-	-	-	-	-	-			
							Banjo frame.	-	-	-	-	-	-	-	631			

CAPE OF GOOD HOPE NAVAL YARD.—No. 4.—DETAILED SHIP ACCOUNT—continued.

No. 2.—WEAR AND TEAR AND MAINTENANCE OF THE FLEET, IN COMMISSION AND IN RESERVE, including REPAIRS, REFITS, ALTERATIONS, &c.—continued.

NAME OF SHIP.	Number of Guns.	Horse Power.	Tonnage.	PERIODS within which the Expense was incurred.		Detailed Head of Charge.	Value of Materials Issued.	Wages.	Payments to Con- tractors, &c. Made and Allowed at Admiralty.	Gross Total, excluding Incidental and Estab- lishment Charges.	Value of Materials Returned.	Net Total, excluding Incidental and Estab- lishment Charges.	Incidental and Estab- lishment Charges.	Total Expense, inclusive of Incidental and Estab- lishment Charges.	REMARKS.	
				From	To											
NOT IRON CLAD—continued.																
IN COMMISSION—continued.																
FLORA - - -	10	(—)	1,634 (4,858)	1 April 1874	31 Mar. 1875	Hull - - - Masts and Yards - - Rigging and Stores - - Total - - - £.	79 — 672 751	122 3 25 150	— — — —	201 3 697 901	4 — 8 12	197 3 689 889	— — — —	— — — —	Casual repairs, supplies, &c.	
FLYING FISH - -	4	120 (336)	727 (894)	2 Oct. "	6 Oct. 1874	Hull - - - Masts and Yards - - Rigging and Stores - - Total - - - £.	2 — 10 12	2 3 1 6	— — — —	4 3 11 18	— — 2 2	4 3 9 16	— — — —	— — — —	Altering fore and main trusses, and supplies, &c.	
HIMALAYA - -	3	700 (2,556)	3,453 (4,490)	11 Jan. 1875	23 Jan. 1875	Hull - - - Rigging and Stores - - Total - - - £.	7 7 14	5 2 7	— — —	12 9 21	— 7 7	12 2 14	— — —	— — —	Casual repairs, supplies, &c.	
IMMORTALITÉ -	28	600 (2,391)	3,059 (3,984)	15 Mar. "	24 Mar. "	Engines and Engineers' Fittings. Enginers' Stores - - Total - - - £.	35 5 40	36 — 36	— — —	71 5 76	— — —	71 5 76	— — —	— — —	ditto - ditto.	
						Hull - - - Rigging and Stores - - Total - - - £.	— 375 375	3 — 3	— — —	3 375 378	— — —	3 375 378	— — —	— — —		
						Enginers' Stores - -	7	—	—	7	—	7	—	—		

LONDON -	2	-	(—)	2,687 (4,375)	12 Oct. 1874	19 Oct. 1874	Hull - - - -	62	25	—	87	4	83	- ditto - ditto.
							Rigging and Stores -	158	1	—	159	31	128	
							Total - - - £.	220	26	—	246	35	211	
MERLIN -	4	60 (428)	205 (430)	2 Mar. 1875	31 Mar. 1875	Engineers' Stores -	45	—	—	—	45	—	45	- ditto - ditto.
						Hull - - - -	8	17	—	—	25	—	25	
						Rigging and Stores -	17	—	—	—	17	10	7	
NARCISSUS -	28	400 (1,731)	2,665 (3,548)	15 Mar. "	24 Mar. "	Total - - - £.	25	17	—	—	42	10	32	- ditto - ditto.
						Engines and Engineers' Fittings.	1	15	—	—	16	—	16	
						Boilers and Engineers' Fittings.	—	7	—	—	7	—	7	
NEWCASTLE -	31	600 (2,453)	3,035 (4,420)	15 Mar. "	24 Mar. "	Total - - - £.	1	22	—	—	23	—	23	Casual supplies, &c.
						Hull - - - -	—	1	—	—	1	—	1	
						Rigging and Stores -	30	3	—	—	33	—	33	
RALEIGH -	22	800 (5,639)	3,215 (4,750)	15 Mar. "	24 Mar. "	Total - - - £.	30	4	—	—	34	—	34	- ditto - ditto.
						Engineers' Stores -	49	—	—	—	49	—	49	
						Rigging and Stores -	89	—	—	—	89	50	39	
SAPHO -	4	120 (756)	727 (894)	28 Jan. "	10 Feb. "	Rigging and Stores	184	—	—	—	184	—	184	Casual repairs, supplies, &c.
						Hull - - - -	51	55	—	—	106	—	106	
						Masts and Yards -	3	—	—	—	3	—	3	
						Rigging and Stores	67	14	—	—	81	9	72	
						Total - - - £.	121	69	—	—	190	9	181	
						Engines and Engineers' Fittings.	4	4	—	—	8	—	8	
						Engineers' Stores -	12	—	—	—	12	—	12	
						Total - - - £.	16	4	—	—	20	—	20	

CAPE OF GOOD HOPE NAVAL YARD.—No. 4.—DETAILED SHIP ACCOUNT—continued.

No. 5.—WEAR AND TEAR AND MAINTENANCE OF THE FLEET, IN COMMISSION AND IN RESERVE, including REPAIRS, REFITS, ALTERATIONS, &c.—continued.

NAME OF SHIP.	Number of Guns.	Horse Power.	Tonnage.	PERIODS within which the Expense was incurred.		Detailed Head of Charge.	Value of Materials Issued.	Wages.	Payments to Con- tractors, &c. Allowed at Admiralty	Gross Total, excluding Incidental and Estab- lishment Charges.	Value of Materials Returned.	Net Total, excluding Incidental and Estab- lishment Charges.	Incidental and Estab- lishment Charges.	Total Expense, inclusive of Incidental and Estab- lishment Charges.	REMARKS.
				From	To										
NOT IRON CLAD—continued.															
IN COMMISSION—continued.															
SHEARWATER -	4	150 (532)	669 (913)	23 Mar. 1874	7 July 1874	Hull - - - Masts and Yards - - Rigging and Stores - Total - - - £.	£. 150 12 1,250 1,412	£. 148 14 32 194	£. - - - -	£. 298 26 1,282 1,606	£. 24 - 123 147	£. 274 26 1,159 1,459	-	-	Casual repairs, supplies, &c.
						Engines and Engineers' Fittings. Boilers and Engineers' Fittings. Engineers' Stores - Total - - - £.	£. 44 82 150 276	£. 57 36 - 93	£. - - - -	£. 101 118 150 369	£. - - 13 13	£. 101 118 137 356	-	-	
SIMOOM -	4	400 (1,576)	1,980 (3,302)	8 Feb. 1875	10 Feb. 1875	Rigging and Stores - Engineers' Stores - Total - - - £.	£. 1 80	£. 1 -	£. - -	£. 2 80	£. - 67	£. 2 13	-	-	Casual supplies, &c.
						Hull - - - Rigging and Stores - Total - - - £.	£. 177 373 550	£. 148 39 187	£. - - -	£. 325 412 737	£. 20 98 118	£. 305 314 619	-	-	
SPITEFUL -	5	280 (796)	1,054 -	12 Jan. "	25 Mar. "	Engines and Engineers' Fittings. Boilers and Engineers' Fittings. Engineers' Stores - Total - - - £.	£. 13 142 62 217	£. 22 277 - 299	£. - - -	£. 35 419 62 516	£. - - 27 27	£. 35 419 35 489	-	-	Casual repairs, supplies, &c.

STEAM CUTTER, No. 5	-	-	-	- On the 31st Mar. 1875 -	Boilers and Engineers' Fittings.	-	-	150	-	-	-	-	-	New boiler.
SUPPLY -	2	80 (265)	638 (1,100)	11 Aug. 1874 16 Sept. 1874	Hull - - - - Masts and Yards - - Rigging and Stores - - Total - - - £.	78 3 290 371	58 7 142 207	- - - -	150	-	150	-	-	Casual repairs, supplies, &c.
					Engines and Engineers' Fittings. Boilers and Engineers' Fittings. Engineers' Stores - - Total - - - £.	22 5 79 106	37 38 - 75	- - - -	150	-	150	-	-	Casual supplies, &c.
TOPAZE -	28	600 (2,538)	2,659 (3,915)	15 Mar. 1875 24 Mar. 1875	Rigging and Stores -	94	-	-	94	-	94	-	-	- ditto.
VICTOR EMANUEL -	2	600 (2,424)	3,087 (5,157)	8 Sept. 1874 21 Sept. 1874	Rigging and Stores -	69	5	-	74	3	71	-	-	-
VOLAGE -	18	600 (4,532)	2,322 (3,078)	11 Sept. " 15 Sept. "	{ Hull - - - - Rigging and Stores - - Total - - - £.	18 408 426	3 8 11	- - -	21 416 437	- 6 6	21 410 431	-	-	Casual repairs, supplies, &c.
TOTAL - - -														See Abstract (p. 518).
					Hull - - - - Masts and Yards - - Rigging and Stores - - Total - - - £.	1,276 147 6,813 8,236	997 30 379 1,406	- - - -	2,273 177 7,192 9,642	90 5 1,166 1,261	2,183 172 6,026 8,381	-	-	-
					Engines and Engineers' Fittings. Boilers and Engineers' Fittings. Engineers' Stores - - Total - - - £.	264 296 1,296 1,856	401 587 2 990	631 150 - 781	1,296 1,033 1,298 3,627	2 1 129 132	1,294 1,032 1,169 3,495	-	-	-

[illegible]

No. 5.—SHIPS AND VESSELS BREAKING UP.

NAME OF SHIP.	Rate or Class of Ship.	Number of Guns.	Horse Power.	Tonnage.	PERIODS within which the Expense was incurred.		Detailed Head of Charge.	Value of Materials Issued.	Wages.	Payments to Con- tractors, &c. Made and Allowed at Admiralty.	Gross Total, excluding Incidental and Establish- ment Charges.	Value of Materials Returned.	Net Total, excluding Incidental and Establish- ment Charges.	Incidental and Estab- lishment Charges.	Total Expense, inclusive of Incidental and Estab- lishment Charges.	REMARKS.
					From	To										
SEERINGAPATAM	-	-	-	1,152 (4,490)	1 April 1874	31 Mar. 1875	Hull	£.	£.	£.	£.	£.	£.	£.	£.	Returns arising from Breaking up Ship.
								2	--	34	36	514	478	£.	£.	See Abstract (p. 518) -

ABSTRACT.

S E R V I C E.	Page.	DESCRIPTION.	Detailed Head of Charge.	Value of Materials Issued.	Wages.	Payments to Contractors Made and Allowed at Admiralty.	Gross Total, excluding Incidentals and Establishment Charges.	Value of Materials Returned.	Net Total, excluding Incidentals and Establishment Charges.	Incidental and Establishment Charges.	Total Expense, inclusive of Incidentals and Establishment Charges.
No. 2.—Wear and Tear and Maintenance of the Fleet, in Commission and in Reserve, including Repairs, Refits, Alterations, Works rendered necessary by New Armaments, and the Renewal of Worn-out and perishable Stores, such as Rigging, Rope, Sails, Blocks, &c.:— In Commission	515	Not Iron Clad	Hull - - - - - Masts and Yards - - - Rigging and Stores - - - Engines and Engineers' Fittings - Boilers and Engineers' Fittings - Engineers' Stores - - - TOTAL - - - - £.	£. 1,276 147 6,813 264 296 1,296 10,092	£. 997 30 379 401 587 2 2,396	£. — — — 631 150 — 781	£. 2,273 177 7,192 1,296 1,033 1,298 13,269	£. 90 5 1,166 2 1 129 1,393	£. 2,183 172 6,026 1,294 1,032 1,169 11,875	£. 6,235	£. 18,111
No. 4.—Steam Tugs, Yard Craft, Coal Depôts, &c., Building, Fitting, Refitting, &c.:-	517		Hull - - - - - Rigging and Stores - - - Engines and Engineers' Fittings - Boilers and Engineers' Fittings - Engineers' Stores - - - TOTAL - - - - £.	£. 111 405 6 10 34 566	£. 38 1 8 34 — 81	£. — — — — — —	£. 149 406 14 44 34 647	£. 1 21 — — 3 25	£. 149 385 14 44 31 622	£. 240	£. 862
No. 5.—Ships and Vessels Breaking up	517		Hull - - - - -	£. 2	£. —	£. 34	£. 36	£. 514	£. 478	£. 76	£. 402
		TOTAL	Hull - - - - - Masts and Yards - - - Rigging and Stores - - - Engines and Engineers' Fittings - Boilers and Engineers' Fittings - Engineers' Stores - - - GRAND TOTAL - - - £.	£. 1,389 147 7,218 270 305 1,330 10,660	£. 1,035 30 380 409 621 2 2,477	£. 34 — — 631 150 — 815	£. 2,458 177 7,598 1,310 1,077 1,332 13,952	£. 604 5 1,187 2 1 132 1,932	£. 1,854 172 6,411 1,308 1,076 1,200 12,020	£. 6,551	£. 18,571

ESQUIMALT NAVAL YARD.

ESQUIMALT NAVAL YARD.—No. 4.—SHIPS—continued.

DETAILED SHIP ACCOUNT, showing the Amount of WAGES Paid, the Value of MATERIALS Issued and Returned, and the Share of INCIDENTAL and ESTABLISHMENT CHARGES on account of each Sub-Head of SHIPS Building, Repairing, &c., during the Year ended 20th March 1875.

No. 2.—WEAR AND TEAR AND MAINTENANCE OF THE FLEET, IN COMMISSION AND IN RESERVE, including REPAIRS, REFITS, ALTERATIONS, WORKS rendered necessary by NEW ARMAMENTS, and the RENEWAL of WORN-OUT and PERISHABLE STORES, such as RIGGING, ROPE, SAILS, BLOCKS, &c.

Note.—The Figures printed in *Italics* in the Money Columns show the Amount of Net Credits for Stores, &c. returned.

NAME OF SHIP.	Number of Guns.	Horse Power.	Tonnage.	PERIODS within which the Expense was incurred.		Detailed Head of Charge.	Value of Materials Issued.	Wages.	Payments to Con- tractors,&c. Made and Allowed at Admiralty.	Gross Total, excluding Incidental and Establish- ment Charges.	Value of Materials Returned.	Net Total, excluding Incidental and Establish- ment Charges.	Incidental and Estab- lishment Charges.	Total Expense, inclusive of Incidental and Estab- lishment Charges.	REMARKS.
				From	To										
NOT IRON CLAD:															
IN COMMISSION:															
BOXER - - -	4	120 (587)	465 (584)	10 April 1874	31 Jan. 1875	{ Rigging and Stores { Engineers' Stores	£. 377 149	£. 9 5	— —	£. 386 154	90 20	£. 296 134	- -	- -	Repairs to bottom, head pump, hauling on grid-iron, returns, &c.
MYRMIDON - -	4	200 (720)	697 (877)	11 May "	19 Mar. "	{ Rigging and Stores { Engineers' Stores	264 98	14 3	— —	278 101	26 3	252 98	- -	- -	Casual repairs, returns, &c.
PETEREL - -	3	150 (478)	669 (913)	1 Dec. "	4 Jan. "	{ Rigging and Stores { Engineers' Stores	459 112	6 2	— —	465 114	156 4	309 110	- -	- -	ditto.
REINDEER - -	7	200 (722)	953 (1,965)	10 Nov. "	31 Mar. "	{ Rigging and Stores { Engineers' Stores	29 26	8 2	— —	37 23	— —	37 23	- -	- -	ditto.
SCOUT - -	17	400 (1,327)	1,462 (2,487)	7 Oct. "	31 Oct. 1874	Rigging and Stores	45	1	—	46	—	46	-	-	Casual supplies, &c.
TENEDOS - -	8	350 (2,032)	1,275 (1,755)	8 April "	25 Nov. "	{ Rigging and Stores { Engineers' Stores	827 476	19 5	— —	846 481	158 3	688 478	- -	- -	Casual repairs, caulking, &c.; supplies and re- turns.
TOTAL - - -										2,058	430	1,628	See Abstract (p. 521).		
										878	30	848			

ESQUIMALT NAVAL YARD.—No. 4.—DETAILED SHIP ACCOUNT—continued.

A B S T R A C T.

S E R V I C E.	Page.	DESCRIPTION.	Detailed Head of Charge.	Value of Materials Issued.	Wages.	Payments to Con- tractors, &c. Made and Allowed at Admiralty.	Gross Total, excluding Incidental and Establish- ment Charges.	Value of Materials Returned.	Net Total, excluding Incidental and Establish- ment Charges.	Incidental and Establishment Charges.	Total Expense, inclusive of Incidental and Estab- lishment Charges.
No. 2.—Wear and Tear and Maintenance of the Fleet, in Commission and in Reserve, including Repairs, Refits, Alterations, Works rendered necessary by New Arma- ments, and the Renewal of Worn-out and Perishable Stores, such as Rigging, Rope, Sails, Blocks, &c.:— In Commission - - - - -	520	Not Iron Clad - - -	Rigging and Stores - - -	£. 2,001	57	—	2,058	430	1,628	£.	£.
			Engineers' Stores - - -	861	17	—	878	30	848	632	3,108
			TOTAL - - - £.	2,862	74	—	2,936	460	2,476		
			Rigging and Stores - - -	2,001	57	—	2,058	430	1,628		
			Engineers' Stores - - -	861	17	—	878	30	848	632	3,108
		TOTAL - - -	GRAND TOTAL - - £.	2,862	74	—	2,936	460	2,476		

GIBRALTAR NAVAL YARD.

GIBRALTAR NAVAL YARD.—No. 4.—SHIPS—continued.

DETAILED SHIP ACCOUNT, showing the Amount of WAGES Paid, the Value of MATERIALS Issued and Returned, and the Share of INCIDENTAL and ESTABLISHMENT CHARGES on account of each Sub-Head of SHIPS Building, Repairing, &c., during the Year ended 20th March 1875.

No. 2.—WEAR AND TEAR AND MAINTENANCE OF THE FLEET, IN COMMISSION AND IN RESERVE, including REPAIRS, REFITS, ALTERATIONS, WORKS rendered necessary by NEW ARMAMENTS, and the RENEWAL OF WORN-OUT and PERISHABLE STORES, such as RIGGING, ROPE, SAILS, BLOCKS, &c.

Note.—The Figures printed in *Italics* in the Money Columns show the Amount of Net Credits for Stores, &c. returned.

NAME OF SHIP.	PERIODS within which the Expense was incurred.		Tonnage.	Horse Power.	Number of Guns.	Detailed Head of Charge.	Value of Materials Issued.	Wages.	Payments to Con- tractors, &c. Made and Allowed at Admiralty.	Gross Total, excluding Incidental and Establish- ment Charges.	Value of Materials Returned.	Net Total, excluding Incidental and Establish- ment Charges.	Incidental and Estab- lishment Charges.	Total Expense, inclusive of Incidental and Estab- lishment Charges.	REMARKS.	
	From	To														
IRON CLADS BUILT BY CONTRACT:																
In Commission :																
AGINCOURT - -	28	1,350 (6,867)	6,021 (10,627)	4 Feb. 1875	19 Feb. 1875	Hull - - - - Rigging and Stores - Total - - - £.	£. 10 2 12	£. - - -	£. - - -	£. 10 2 12	£. - 1 1	£. 10 1 11	£.	-	-	Casual supplies and re- turns.
						Boilers and Engineers' Fittings, Engineers' Stores - - Total - - - £.	- 4 4	1 - 1	- - -	1 4 5	- - -	1 4 5		-	-	
						Rigging and Stores -	4	1	-	5	-	5		-	-	
INVINCIBLE - -	14	1,800 (4,832)	3,774 (6,034)	31 Aug. 1874	17 Mar. "	Engines and Engineers' Fittings, Boilers and Engineers' Fittings, Engineers' Stores - Total - - - £.	- 20 6 26	1 3 - 4	- - - -	1 23 6 30	- - - -	1 23 6 30		-	-	Casual repairs and sup- plies.
NORTHUMBERLAND -	28	1,350 (6,558)	6,021 (10,624)	8 Feb. 1875	1 Mar. "	Rigging and Stores -	6	1	-	7	-	7		-	-	Castings for Coal whips.

[illegible]

IRON CLADS BUILT IN HER MAJESTY'S DOCKYARDS:

IN COMMISSION :					
LORD WARDEN	- 18	1,000 (6,706)	4,080 (7,842)	2 Sept. 1874	13 Feb. 1875
					<div> <div> Rigging and Stores - </div> <div> Engines and Engineers' Fittings. - Enginers' Stores - </div> </div>
					Total - - - £.
MONARCH	- 7	1,100 (7,842)	5,102 (8,922)	- On the 13th Feb. 1875	- Rigging and Stores

NOT IRON CLAD:

IN COMMISSION:

Ship	Commission	In Commission	Date	Hull	Rigging and Stores	Engines and Engineers' Fittings	Boilers and Engineers' Fittings	Total	Casual repairs, supplies, &c.
				42	13	55	55	55	
ARIEL	-	4	4 June 1874	39	1	40	5	85	-
				81	14	95	5	90	
				4	-	4	-	4	
BITTERN	-	3	29 April "	11	10	21	-	21	-
				37	-	37	-	37	
				52	10	62	-	62	
COQUETTE	-	4	11 Dec. "	13	4	17	-	17	-
				8	-	8	-	8	
				12	19	31	-	31	
CRUISER	-	4	8 Sept. "	28	23	51	-	51	-
				2	-	2	-	2	
				2	-	2	-	2	
DORIS	-	24	10 April "	4	-	4	-	4	-
				1	4	5	-	5	
				1	-	1	-	1	
EGERIA	-	4	2 Dec. "	46	-	46	20	26	-
				2	2	4	-	4	
				1	-	1	-	1	
ENDYMION	-	22	On the 13th June 1874 -	2	-	2	-	2	-
				-	1	1	-	1	
				2	-	2	-	2	
FLY	-	4	9 Dec. 1874	2	-	2	-	2	-
				-	1	1	-	1	
				2	1	3	-	3	
FLY	-	4	18 Dec. 1874	-	-	-	8	8	-
				-	-	-	-	-	
				-	-	-	-	-	

GIBRALTAR NAVAL YARD.—No. 4.—DETAILED SHIP ACCOUNT—continued.

No. 2.—WEAR AND TEAR AND MAINTENANCE OF THE FLEET, IN COMMISSION AND IN RESERVE, including REPAIRS, REFTS, ALTERATIONS, &c.—continued.

NAME OF SHIP.	Number of Guns.	Horse Power.	Tonnage.	PERIODS within which the Expense was incurred.		Detailed Head of Charge.	Value of Materials Issued.	Wages.	Payments to Con- tractors, &c. Made and Allowed at Admiralty.	Gross Total, excluding Incidental and Estab- lishment Charges.	Value of Materials Returned.	Net Total, excluding Incidental and Estab- lishment Charges.	Incidental and Estab- lishment Charges.	Total Expense, inclusive of Incidental and Estab- lishment Charges.	REMARKS.	
				From	To											
NOT IRON CLAD—continued.																
IN COMMISSION—continued.																
HELICON - - -	2	250 (4,610)	897 (985)	24 Aug. 1874	14 Nov. 1874	{ Hull - - - Rigging and Stores - Total - - - £.	£. 1 4 5	- - -	£. - - -	£. 1 4 5	- - -	£. 1 4 5	- - -	£. - - -	- - -	Casual repairs, &c.
						Engines and Engineers' Fittings. Boilers and Engineers' Fittings. Engineers' Stores - Total - - - £.	1 2 29 32	1 4 - 5	- - - -	2 6 29 37	- - - -	2 6 29 37	- - - -	- - - -	- - - -	
HIMALAYA - - -	3	700 (2,556)	3,453 (4,490)	On the 11th March 1875		Engineers' Stores -	12	-	-	12	-	12	-	-	-	Casual supplies.
IMMORTALITÉ - -	28	600 (2,394)	3,059 (3,984)	13 June 1874	9 Nov. 1874	{ Rigging and Stores - Engineers' Stores - Total - - - £.	19 1 3	- - -	- - -	19 1 3	1 - -	18 1 3	- - -	- - -	- - -	Casual supplies and re- turns.
LAPWING - - -	3	160 (832)	663 (774)	17 Oct. "	23 Oct. "	{ Hull - - - Rigging and Stores - Total - - - £.	2 1 3	- - -	- - -	2 1 3	- - -	2 1 3	- - -	- - -	- - -	Slight repairs, &c.
NARCISSE - - -	28	400 (1,734)	2,665 (3,548)	13 June "	14 Nov. "	{ Rigging and Stores - Engineers' Stores - Total - - - £.	21 1 3	1 - -	- - -	22 1 3	- - -	22 1 3	- - -	- - -	- - -	Casual repairs, &c.

PIGEON	-	-	2	60 (211)	268 (330)	1 April "	12 Nov. "	Hull - - - - Rigging and Stores - Total - - - £.	1 61 62	- 3 3	- - -	1 64 65	- 10 10	1 54 55	Casual repairs, supplies, &c.
								Boilers and Engineers' Fittings, Engineers' Stores - Total - - - £.	45 7 52	15 - 15	- - -	60 7 67	- - -	60 7 67	
								Rigging and Stores - Engineers' Stores -	15 7	- -	- -	15 7	- -	15 7	Casual supplies.
								Hull - - - - Masts and Yards - - Rigging and Stores - Total - - - £.	6 9 43 58	- - 7 7	- - -	6 9 50 65	- - 20 20	6 9 30 45	
RALEIGH	-	-	22	800 (5,630)	3,215 (4,780)	29 Oct. "	9 Nov. "	Engines and Engineers' Fittings, Boilers and Engineers' Fittings, Engineers' Stores - Total - - - £.	- 10 18 28	1 12 - 13	- - -	1 22 18 41	- - 1 1	1 22 17 40	Casual repairs, supplies, &c.
								Rigging and Stores -	-	-	-	-	79	79	Casual returns.
								Masts and Yards - - Rigging and Stores - Total - - - £.	3 1 4	- - -	- - -	3 1 4	- - -	3 1 4	
								Engines and Engineers' Fittings, Engineers' Stores - Total - - - £.	1 16 17	3 - 3	- - -	4 16 20	- - -	4 16 20	Casual repairs and sup- plies.
SALAMIS	-	-	2	250 (1,440)	835 (955)	- On the 2nd May 1874 -		Masts and Yards - Rigging and Stores - Total - - - £.	-	-	-	-	-	-	
								Engines and Engineers' Fittings, Engineers' Stores - Total - - - £.	1 16 17	3 - 3	- - -	4 16 20	- - -	4 16 20	Casual repairs and sup- plies.
								Masts and Yards - Rigging and Stores - Total - - - £.	140 1 141	- 2 2	- - -	140 3 143	2 - 2	138 3 141	Iron work for bowsprit; supplies, &c.
								Engines and Engineers' Fittings, Engineers' Stores - Total - - - £.	1 16 17	3 - 3	- - -	4 16 20	- - -	4 16 20	Casual repairs and sup- plies.

No. 2.—WEAR AND TEAR AND MAINTENANCE OF THE FLEET, IN COMMISSION AND IN RESERVE, including REPAIRS, REFITS, ALTERATIONS, &c.—continued.

NAME OF SHIP.	PERIODS within which the Expense was incurred.		Tonnage.	Horse Power.	Number of Guns.	Detailed Head of Charge.	Value of Materials Issued.	Wages.	Payments to Con- tractors, &c. Made and Allowed at Admiralty.	Gross Total, excluding Incidental and Estab- lishment Charges.	Value of Materials Returned.	Net Total, excluding Incidental and Estab- lishment Charges.	Incidental and Estab- lishment Charges.	Total Expense, inclusive of Incidental and Estab- lishment Charges.	REMARKS.	
	From	To														
NOT IRON CLAD—continued.																
IN COMMISSION—continued.																
TAMAR - - -	2	500 (1,869)	2,812 (4,857)			11 Dec. 1874	19 Dec. 1874									
TOPAZE - - -	28	600 (2,538)	2,659 (8,915)			- On the 10th Nov. 1874 -										Slight repairs, &c.
TORCH - - -	5	80 (281)	426 (570)			31 Mar. 1874	23 April 1874									Casual supplies.
																- - ditto.

Yard to which the Craft is Attached.	Name and Description of Yard Craft.	PERIODS within which the Expense was incurred.		Horse Power.	Tonnage.	Detailed Head of Charge.				Value of Materials Issued.	Wages.	Payments to Con- tractors,&c. Made and Allowed at Admiralty.	Gross Total, excluding Incidental and Estab- lishment Charges.	Value of Materials Returned.	Net Total, excluding Incidental and Estab- lishment Charges.	Incidental and Establishment Charges.	Total Expense, inclusive of Incidental and Establishment Charges.	REMARKS.
		From	To															
GIBRALTAR NAVAL YARD.	Escort - -	28 Mar. 1874	16 Mar. 1875	(944)	-	Hull - - - £.	£.	£.	£.	£.	£.	£.	£.	£.	£.	£.	£.	Repaired Bow, damaged by collision; also casual repairs, supplies, &c.
						Rigging and Stores -	182	102	284	2	53	282	10	-	282	-	-	
						Total - - - £.	68	2	70	58	17	17	13	-	17	-	-	
	Steam Launch, No. 63.	5 June "	6 Feb. "	5	24	Engines and Engineers' Fittings.	4	6	10	-	-	-	10	-	10	-	-	Casual repairs, supplies, &c.
						Boilers and Engineers' Fittings.	2	11	13	-	-	-	13	-	13	-	-	
						Enginers' Stores -	1	-	1	120	-	-	1	120	119	-	-	
	Hull - - - £.	-	-	-	-	Total - - - £.	7	17	24	120	-	-	24	120	96	-	-	Casual repairs, supplies, &c.
						Engines and Engineers' Fittings.	11	10	21	-	-	-	21	-	21	-	-	
						Boilers and Engineers' Fittings.	19	29	48	-	-	-	48	-	48	-	-	
	No. 1 (Ketch, Water Tank).	24 April "	19 Mar. "	-	94	Enginers' Stores -	6	-	6	-	-	-	6	-	6	-	-	Casual repairs.
						Total - - - £.	36	39	75	-	-	-	75	-	75	-	-	
						Engines and Engineers' Fittings.	35	14	49	-	-	-	49	-	49	-	-	
	No. 2 (Mooring Lighter).	31 July "	16 Oct. 1874	-	-	Hull - - - £.	12	32	44	-	-	-	44	-	44	-	-	ditto.
						Total - - - £.	-	3	3	-	-	-	3	-	3	-	-	
						Engines and Engineers' Fittings.	244	167	411	5	53	406	31	-	406	-	-	
	No. 3 (Coal Lighter).	31 July "	29 Jan. 1875	-	-	Rigging and Stores -	68	2	70	58	17	17	13	-	17	-	-	ditto.
						Total - - - £.	312	169	481	58	423	423	61	-	423	-	-	
						Engines and Engineers' Fittings.	15	16	31	-	-	-	31	-	31	-	-	
	TOTAL - - - £.	-	-	-	-	Boilers and Engineers' Fittings.	21	40	61	-	-	-	61	-	61	-	-	See Abstract (p. 532).
						Enginers' Stores -	7	-	7	120	-	-	7	120	113	-	-	
						Total - - - £.	43	56	99	120	21	21	99	120	21	-	-	

HALIFAX NAVAL YARD.

HALIFAX NAVAL YARD.—No. 4.—SHIPS—continued.

DETAILED SHIP ACCOUNT, showing the Amount of WAGES Paid, the Value of MATERIALS Issued and Returned, &c., on account of each Ship and Vessel appearing under the various Sub-Heads of SHIPS Building, Repairing, &c., during the Year ended 20th March 1875.

No. 2.—WEAR AND TEAR AND MAINTENANCE OF THE FLEET, IN COMMISSION AND IN RESERVE, including REPAIRS, REFITS, ALTERATIONS, WORKS rendered necessary by NEW ARMAMENTS, and the RENEWAL of WORN-OUT and PERISHABLE STORES, such as RIGGING, ROPE, SAILS, BLOCKS, &c.

Note.—The Figures printed in *Italics* in the Money Columns, show the Amount of Net Credit for Stores, &c. returned.

NAME OF SHIP.	PERIODS within which the Expense was incurred.		Tonnage.	Horse Power.	Number of Guns.	Detailed Head of Charge.	Value of Materials Issued.	Wages.	Payments to Con- tractors, &c. Made and Allowed at Admiralty.	Gross Total, excluding Incidental and Estab- lishment Charges.	Value of Materials Returned.	Net Total, excluding Incidental and Estab- lishment Charges.	Incidental and Estab- lishment Charges.	Total Expense, inclusive of Incidental and Estab- lishment Charges.	REMARKS.
	From	To													
IRON CLADS BUILT IN HER MAJESTY'S DOCKYARDS:															
IN COMMISSION:	80 May 1874	24 Aug. 1874				Hull - - - - -	95	6	—	41	—	41	—	—	Casual repairs, supplies, &c.
						Rigging and Stores - - - - -	89	—	—	89	24	65	—	—	
						Total - - - - -	124	6	—	130	24	106	—	—	
						Engines and Engineers' Fittings.	—	2	—	2	—	2	—	—	
						Enginers' Stores - - - - -	69	—	—	69	—	69	—	—	
						Total - - - - -	69	2	—	71	—	71	—	—	
BELLEROPHON	10 Oct. "	17 Nov. "	4,270 (7,551)	1,000 (6,524)	15	Hull - - - - -	50	15	—	65	—	65	—	—	ditto - ditto.
						Rigging and Stores - - - - -	408	1	—	404	—	404	—	—	
						Total - - - - -	453	16	—	469	—	469	—	—	
						Enginers' Stores - - - - -	536	1	—	537	116	421	—	—	
						Hull - - - - -	85	21	—	106	—	106	—	—	See Abstract (p. 541).
						Rigging and Stores - - - - -	492	1	—	498	24	469	—	—	
						TOTAL - - - - -	577	22	—	599	24	575	—	—	
						Engines and Engineers' Fittings.	—	2	—	2	—	2	—	—	
						Enginers' Stores - - - - -	605	1	—	606	116	490	—	—	
						TOTAL - - - - -	605	3	—	608	116	492	—	—	

NOT IRON CLAD: IN COMMISSION:																				Fitting boats on Paddle boxes; ventilating the Bilges; repairing Stern posts, &c.										Casual repairs.										Caulking the Hull; venti- lating Sick-bay, &c. &c.										Casual repairs, supplies, &c.										ditto - ditto.										Casual returns.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													

HALIFAX NAVAL YARD.—No. 4.—DETAILED SHIP ACCOUNT—continued.

No. 2.—WEAR AND TEAR AND MAINTENANCE OF THE FLEET, IN COMMISSION AND IN RESERVE, including REPAIRS, REFITS, ALTERATIONS, &c.—continued.

NAME OF SHIP.	PERIODS within which the Expense was incurred.		Tonnage.	Horse Power.	Number of Guns.	Detailed Head of Charge.	Value of Materials Issued.	Wages.	Payments to Con- tractors, &c. Made and Allowed at Admiralty.	Gross Total, excluding Incidental and Estab- lishment Charges.	Value of Materials Returned.	Net Total, excluding Incidental and Estab- lishment Charges.	Incidental and Estab- lishment Charges.	Total Expense, inclusive of Incidental and Estab- lishment Charges.	REMARKS.	
	From.	To														
NOT IRON CLAD—continued.																
IN COMMISSION—continued.																
DRYAD.	-	-	-	300 (1,464)	9	1,086 (1,574)	14 Nov. 1874	12 Dec. 1874								Casual repairs, supplies, &c.
							Hull	£.	10	—	16	3	13	£.		
							Rigging and Stores	81	14	—	95	2	93			
							Total - - - £.	87	24	—	111	5	106			
						Engines and Engineers' Fittings.	—	4	—	4	—	—	4	£.		
						Enginers' Stores - -	3	—	—	3	—	—	3			
						Total - - - £.	3	4	—	7	—	7				
						Hull	6	17	—	23	—	23	£.			
						Rigging and Stores	80	3	—	83	1,503	1,420				
						Total - - - £.	86	20	—	106	1,503	1,397				
						Engines and Engineers' Fittings.	1	4	—	5	—	5	£.			
						Boilers and Engineers' Fittings.	1	4	—	5	—	5				
						Enginers' Stores - -	1	—	—	1	48	47				
						Total - - - £.	3	8	—	11	48	37	£.			
						Masts and Yards -	—	—	—	—	8	8	£.			
						Rigging and Stores	—	—	—	—	932	932				
						Total - - - £.	—	—	—	—	940	940				
						Hull	29	15	—	44	—	44	£.			
						Masts and Yards -	21	4	—	25	1	24				
						Rigging and Stores	345	11	—	356	45	311				
						Total - - - £.	395	30	—	425	46	379	£.			
						Engines and Engineers' Fittings.	9	22	—	31	1	30	£.			
						Enginers' Stores - -	45	—	—	45	—	45				
						Total - - - £.	54	22	—	76	1	75				
																Casual repairs, supplies, &c.

SPARTAN -	8	350 (1,582)	1,269 (1,755)	31 Oct. "	28 Nov. "	{ Hull - - - Rigging and Stores - Total - - - £.	19	5	-	-	24	-	24
							20	-	-	-	20	1	19
							39	5	-	-	44	1	43
							3	11	-	-	14	-	14
						{ Engines and Engineers' Fittings. Boilers and Engineers' Fittings. Total - - - £.	32	35	-	-	67	-	67
							35	46	-	-	81	-	81
							12	4	-	-	16	3	13
							79	-	-	-	79	35	44
				26 Mar. "	25 July "	{ Hull - - - Rigging and Stores - Total - - - £.	91	4	-	-	95	38	57
							33	-	-	-	33	90	57
							32	12	-	-	44	-	44
							32	1	-	-	33	311	278
				11 July "	1 Aug. "	{ Hull - - - Rigging and Stores - Total - - - £.	64	13	-	-	77	311	334
							8	13	-	-	21	-	21
							91	16	-	-	107	30	77
							99	29	-	-	128	30	98
				22 May "	27 June "	{ Hull - - - Rigging and Stores - Total - - - £.	36	-	-	-	36	-	36
							6	7	-	-	13	1	12
							294	7	-	-	301	39	292
							300	14	-	-	314	40	274
WOODLARK	3	160 (831)	663 (774)	24 Oct. 1874	7 Nov. 1874	{ Hull - - - Rigging and Stores - Total - - - £.	300	14	-	-	314	40	274
							36	-	-	-	36	-	36
							6	7	-	-	13	1	12
							294	7	-	-	301	39	292

No. 2.—WEAR AND TEAR AND MAINTENANCE OF THE FLEET, IN COMMISSION AND IN RESERVE, including REPAIRS, REFITS, ALTERATIONS, &c.—continued.

NAME OF SHIP.	PERIODS within which the Expense was incurred.		Tonnage.	Horse Power.	Number of Guns.	Detailed Head of Charge.	Value of Materials Issued.	Wages.	Payments to Con- tractors, &c. Made and Allowed at Admiralty.	Gross Total, excluding Incidental and Estab- lishment Charges.	Value of Materials Returned.	Net Total, excluding Incidental and Estab- lishment Charges.	Incidental and Estab- lishment Charges.	Total Expense, inclusive of Incidental and Estab- lishment Charges.	REMARKS.
	From	To													
NOT IRON CLAD—continued.															
IN COMMISSION—continued.															
ZEPHYR - - -	4	60 (534)	308 (436)	2 May 1874	10 Oct. 1874	Hull - - -	£. 13	£. 14	£. —	£. 27	£. —	£. 27	£. —	£. —	Casual repairs, supplies, &c.
						Masts and Yards - -	—	1	—	1	—	1	—	1	
						Rigging and Stores - -	136	9	—	145	—	145	—	145	
						Total - - - £.	149	24	—	173	—	173	—	173	
				19 June "	10 July "	Boilers and Engineers' Fittings.	5	—	—	5	—	5	—	5	Casual supplies and re- turns.
						Engineers' Stores - -	29	—	—	29	1	28	—	28	
						Total - - - £.	34	—	—	34	1	33	—	33	
						Engineers' Stores - -	14	—	—	14	—	14	—	14	
				- On the 6th Oct. 1874	-	Rigging and Stores - -	—	—	—	—	22	22	—	22	See Abstract (p. 541).
						Hull - - -	293	219	—	512	26	486	—	486	
						Masts and Yards - -	27	12	—	39	9	30	—	30	
						Rigging and Stores - -	1,562	83	—	1,645	2,989	4,344	—	4,344	
TOTAL - - - £.							1,882	314	—	2,196	3,024	828	—	828	
				TOTAL - - -		Engines and Engineers' Fittings.	19	76	—	95	3	92	—	92	
						Boilers and Engineers' Fittings.	41	64	—	105	—	105	—	105	
						Engineers' Stores - -	207	—	—	207	140	67	—	67	
						TOTAL - - - £.	267	140	—	407	143	264	—	264	

No. 3.—HULKS REPAIRING, &c.

NAME OF SHIP.	Rate or Class of Ship.	PERIODS within which the Expense was incurred.		Tonnage.	Detailed Head of Charge.	Value of Materials Issued.	Wages.	Payments to Con- tractors, &c. Made and Allowed at Admiralty.	Gross Total, excluding Incidental and Estab- lishment Charges.	Value of Materials Returned.	Net Total, excluding Incidental and Estab- lishment Charges.	Incidental and Estab- lishment Charges.	Total Expense, of Incidental and Estab- lishment Charges.	REMARKS.	
		From	To												
PYRAMUS	5th Rate	2 April 1874	2 May 1874	920 (1,304)	{ Hull - - - Rigging and Stores - - Total - - - £.	£. 9 2 11	£. 9 - 9	£. - - -	£. 18 2 20	£. - - -	£. 18 2 20	£.	£.	Casual repairs, &c.	
		2 Sept. "	28 Jan. 1875		{ Hull - - - Rigging and Stores - - Total - - - £.	3 8 11	- - -	- - -	3 8 11	- - -	3 8 11	- - -	- - -		
		TOTAL - - -			{ Hull - - - Rigging and Stores - - TOTAL - - - £.	12 10 22	9 - 9	- - -	21 10 31	- - -	21 10 31	- - -	- - -		} See Abstract (p. 541).

No. 4.—STEAM TUGS, YARD CRAFT, COAL DEPÔTS, &c., BUILDING, FITTING, REFITTING, &c.

Yard to which the Craft is Attached.	Name and Description of Yard Craft.	Horse Power.	Tonnage.	PERIODS within which the Expense was incurred.		Detailed Head of Charge.	Value of Materials Issued.	Wages.	Payments to Contractors, &c. Made and Allowed at Admiralty.	Gross Total, excluding incidental and Establishment Charges.	Value of Materials Returned.	Net Total, excluding incidental and Establishment Charges.	Incidental and Establishment Charges.	Total Expense, inclusive of incidental and Establishment Charges.	REMARKS.
				From	To										
HALIFAX NAVAL YARD.	STEAM LAUNCH, No. 8.	5	25	1 Aug. 1874	20 Mar. 1875	{ Hull - - - Rigging and Stores - - Total - - - £.	£. 30 22 52	£. 67 5 72	£. - - -	£. 97 27 124	£. 1 - 1	£. 96 27 123	£. - - -	£. - - -	Repairing Hull, and fitting Fresh water cisterns for Steam engine, &c.
						{ Engines and Engineers' Fittings. Boilers and Engineers' Fittings. Engineers' Stores - Total - - - £.	12 3 7 22	25 10 - 35	- - - -	37 13 7 57	5 - - 5	32 13 7 52	- - - -	- - - -	
				13 June "	27 June 1874	{ Hull - - - Rigging and Stores - - Total - - - £.	- 3 3	3 1 4	- - -	3 4 7	- - -	3 4 7	- - -	- - -	
				- On the 5th Dec. 1874 - 5 Feb. 1875	20 Mar. 1875	{ Hull - - - Rigging and Stores - - Total - - - £.	- 1 1	1 - -	- - -	1 1 1	- - -	1 1 1	- - -	- - -	

HALIFAX NAVAL YARD.—No. 4.—DETAILED SHIP ACCOUNT—continued.

No. 4.—STEAM TUGS, YARD CRAFT, COAL DEPÔTS, BUILDING, FITTING, REFITTING, &c.—continued.

Yard to which the Craft is Attached.	Name and Description of Yard Craft.	Horse Power.	Tonnage.	PERIODS within which the Expense was incurred.		Detailed Head of Charge.	Value of Materials Issued.	Wages.	Payments to Con- tractors,&c. Made and Allowed at Admiralty.	Gross Total, excluding Incidental and Estab- lishment Charges.	Value of Materials Returned.	Net Total, excluding Incidental and Estab- lishment Charges.	Incidental and Estab- lishment Charges.	Total Expense, inclusive of Incidental and Estab- lishment Charges.	REMARKS.
				From	To										
HALIFAX NAVAL YARD— continued.	No. 2 (Tank Vessel).	-	107	28 Mar. 1874	3 Oct. 1874	{ Hull - - - Rigging and Stores - -	£. 18 6	£. 41 8	£. —	£. 59 14	£. —	£. 59 14	£. —	£. —	Casual repairs, supplies, &c.
						Total - - - £.	24	49	—	73	—	73	—	—	
				28 Nov. "	20 Mar. 1875	{ Hull - - - Rigging and Stores - -	— 2	3 1	—	3 3	—	3 3	—	—	
						Total - - - £.	2	4	—	6	—	6	—	—	
				1 April "	26 May 1874	{ Hull - - - Rigging and Stores - -	— 1	1 3	—	1 4	—	1 4	—	—	
	No. 3 (Late "Charger" (Buoy Boat).	-	236			Total - - - £.	1	4	—	5	—	5	—	—	
				26 Sept. "	14 Nov. "	Hull - - -	2	15	—	17	—	17	—	—	
						{ Engines and Engineers' Fittings. - - -	—	3	—	3	—	3	—	—	
						{ Boilers and Engineers' Fittings. - - -	9	40	—	49	—	49	—	—	
				7 April "	20 Mar. 1875	{ Engineers' Stores - -	13	6	—	19	—	19	—	—	
						Total - - - £.	22	49	—	71	—	71	—	—	
	TOTAL - - -					{ Hull - - - Rigging and Stores - -	50 35	131 18	—	181 53	1	180 53	—	—	See Abstract (p. 541).
						Total - - - £.	85	149	—	234	1	233	—	—	
						{ Engines and Engineers' Fittings. - - -	12	28	—	40	5	35	—	—	
						{ Boilers and Engineers' Fittings. - - -	12	50	—	62	—	62	—	—	
						{ Engineers' Stores - -	20	6	—	26	—	26	—	—	
						Total - - - £.	44	84	—	128	5	123	—	—	

A B S T R A C T.

S E R V I C E.	Page.	DESCRIPTION.	Detailed Head of Charge.	Value of Materials Issued.	Wages.	Payments to Contractors, &c. Made and Allowed at Admiralty.	Gross Total, excluding Incidental and Establishment Charges.	Value of Materials Returned.	Net Total, excluding Incidental and Establishment Charges.	Incidental and Establishment Charges.	Total Expense, inclusive of Incidental and Establishment Charges.
No. 2.—Wear and Tear and Maintenance of the Fleet, in Commission and in Reserve, including Repairs, Refits, Alterations, Works rendered necessary by New Armaments, and the Renewal of Worn-out and Perishable Stores, such as Rigging, Rope, Sails, Blocks, &c. :— In Commission	534	Iron Clads built in Her Majesty's Dockyards	Hull - - - - -	£. 85	£. 21	£. —	£. 106	£. —	£. 106	£. —	£. —
			Rigging and Stores - - -	492	1	—	493	24	469	243	1,310
			Engines and Engineers' Fittings - - -	—	2	—	2	—	2	—	—
			Engineers' Stores - - -	605	1	—	606	116	490	—	—
			TOTAL - - - - £.	1,182	25	—	1,207	140	1,067	—	—
No. 3.—Hulks Repairing, &c.	538	Not Iron Clad	Hull - - - - -	£. 293	£. 219	£. —	£. 512	£. 26	£. 486	£. —	£. —
			Masts and Yards - - -	27	12	—	39	9	30	—	—
			Rigging and Stores - - -	1,562	83	—	1,645	2,989	4,634	1,645	1,081
			Engines and Engineers' Fittings - - -	19	76	—	95	3	92	—	—
			Boilers and Engineers' Fittings - - -	41	64	—	105	—	105	—	—
			Engineers' Stores - - -	207	—	—	207	140	67	—	—
			TOTAL - - - - £.	2,149	454	—	2,603	3,167	564	—	—
No. 4.—Steam Tugs, Yard Craft, Coal Depôts, &c., Building, Fitting, Refitting, &c. - - -	540		Hull - - - - -	£. 12	£. 9	£. —	£. 21	£. —	£. 21	£. 20	£. 51
			Rigging and Stores - - -	10	—	—	10	—	10	—	—
			TOTAL - - - - £.	22	9	—	31	—	31	—	—
			Hull - - - - -	£. 50	£. 131	£. —	£. 181	£. 1	£. 180	£. —	£. —
			Rigging and Stores - - -	35	18	—	53	—	53	—	—
			Engines and Engineers' Fittings - - -	12	28	—	40	5	35	—	—
			Boilers and Engineers' Fittings - - -	12	50	—	62	—	62	—	—
			Engineers' Stores - - -	20	6	—	26	—	26	—	—
			TOTAL - - - - £.	129	233	—	362	6	356	—	—
TOTAL			Hull - - - - -	£. 440	£. 380	£. —	£. 820	£. 27	£. 793	£. —	£. —
			Masts and Yards - - -	27	12	—	39	9	30	—	—
			Rigging and Stores - - -	2,099	102	—	2,201	3,013	872	2,369	3,259
			Engines and Engineers' Fittings - - -	31	106	—	137	8	129	—	—
			Boilers and Engineers' Fittings - - -	53	114	—	167	—	167	—	—
			Engineers' Stores - - -	832	7	—	839	256	583	—	—
			GRAND TOTAL - - - £.	3,482	721	—	4,203	3,313	890	—	—

HONG KONG NAVAL YARD.

HONG KONG NAVAL YARD.—No. 4.—SHIPS—continued.

DETAILED SHIP ACCOUNT, showing the Amount of WAGES Paid, the Value of MATERIALS Issued and Returned, and the Share of INCIDENTAL and ESTABLISHMENT Charges on account of each Sub-Head of Ships Building, Repairing, &c., during the Year ended 20th March 1875.

No. 2.—WEAR AND TEAR AND MAINTENANCE OF THE FLEET, IN COMMISSION AND IN RESERVE, including REPAIRS, REFITS, ALTERATIONS, WORKS rendered necessary by NEW ARMAMENTS, and the RENEWAL of WORN-OUT and PERISHABLE STORES, such as RIGGING, ROPE, SAILS, BLOCKS, &c.

Note.—The Figures printed in *Italics* in the Money Columns show the Amount of Net Credits for Stores, &c., returned.

NAME OF SHIP.	Number of Guns.	Horse Power.	Tonnage.	PERIODS within which the Expense was incurred.		Detailed Head of Charge.	Value of Materials Issued.	Wages.	Payments to Con- tractors, &c. Made and Allowed at Admiralty.	Gross Total, excluding Incidental and Estab- lishment Charges.	Value of Materials Returned.	Net Total, excluding Incidental and Estab- lishment Charges.	Incidental and Establishment Charges.	Total Expense, inclusive of Incidental and Establishment Charges.	REMARKS.
				From	To										
IRON CLADS BUILT BY CONTRACT:															
IN COMMISSION:															
AUDACIOUS -	14	800 (4,024)	3,774 (6,034)	5 Mar. 1875	31 Mar. 1875	Hull - - - Masts and Yards - - Rigging and Stores - TOTAL - - - £.	£. 33 3 147 183	£. 42 — 3 45	£. — — — —	£. 75 3 150 228	£. — — 25 25	£. 75 3 125 203			Casual repairs, supplies, &c.
IRON CLADS BUILT IN HER MAJESTY'S DOCKYARDS:															
IN COMMISSION:						Engines and Engineers' Fittings. Boilers and Engineers' Fittings. Engineers' Stores - - TOTAL - - - £.	£. 2 6 160 168	£. 17 38 — 55	£. — — — —	£. 19 44 160 223	£. — — 2 2	£. 19 44 158 221			
IRON CLADS BUILT IN HER MAJESTY'S DOCKYARDS:															
IN COMMISSION:						Hull - - - Rigging and Stores - TOTAL - - - £.	£. 15 871 886	£. 23 30 53	£. — — —	£. 38 901 939	£. — 231 231	£. 38 670 708			
IRON DUKE -	14	800 (4,208)	3,787 (6,034)	23 Mar. 1874	19 Jan. 1875	Engines and Engineers' Fittings. Boilers and Engineers' Fittings. Engineers' Stores - TOTAL - - - £.	£. 6 58 182 246	£. 9 80 — 89	£. — — — —	£. 15 138 182 335	£. 1 13 18 32	£. 14 125 164 303			Casual repairs, supplies, &c.

NOT IRON CLAD:
IN COMMISSION:

ADVENTURE	-	2	400 (1,227)	1,794 (2,510)	23 Dec. 1874	31 Mar. 1875	Hull - - - -	43	68	-	111	2	109
							Masts and Yards -	-	8	-	8	-	8
							Rigging and Stores -	224	5	-	229	47	182
							Total - - - £.	267	81	-	348	49	299
AVON	-	4	120 (528)	467 (584)	28 Aug. "	2 Jan. "	Engines and Engineers' Fittings.	-	2	-	2	-	2
							Boilers and Engineers' Fittings.	4	8	-	12	2	10
							Enginers' Stores -	125	-	-	125	1	124
							Total - - - £.	129	10	-	139	3	136
CADMUS	-	17	400 (1,531)	1,466 (2,487)	15 April "	31 July 1874	Hull - - - -	388	371	-	759	101	658
							Masts and Yards -	20	-	-	20	-	20
							Rigging and Stores -	679	4	-	683	182	501
							Total - - - £.	1,087	375	-	1,462	283	1,179
CHALLENGER	-	4	400 (1,261)	1,462 (2,306)	18 Nov. "	5 Mar. 1875	Engines and Engineers' Fittings.	40	36	-	76	2	74
							Boilers and Engineers' Fittings.	177	118	-	295	37	258
							Enginers' Stores -	87	-	-	87	21	66
							Total - - - £.	304	154	-	458	60	398
	-						Hull - - - -	26	15	-	41	1	40
							Masts and Yards -	430	-	-	430	62	368
							Rigging and Stores -	456	15	-	471	63	408
							Total - - - £.			-			
	-						Engines and Engineers' Fittings.	4	3	-	7	-	7
							Boilers and Engineers' Fittings.	25	-	-	25	-	25
							Enginers' Stores -	29	3	-	32	-	32
							Total - - - £.			-			
	-						Hull - - - -	143	94	-	237	26	211
							Masts and Yards -	33	2	-	35	10	25
							Rigging and Stores -	922	64	-	986	105	881
							Total - - - £.	1,098	160	-	1,258	141	1,117
	-						Engines and Engineers' Fittings.	15	9	-	24	4	20
							Boilers and Engineers' Fittings.	12	4	-	16	-	16
							Enginers' Stores -	382	-	-	382	372	10
							Total - - - £.	409	13	-	422	376	46

HONG KONG NAVAL YARD.—No. 4.—DETAILED SHIP ACCOUNT—continued.

No. 2.—WEAR AND TEAR AND MAINTENANCE OF THE FLEET, IN COMMISSION AND IN RESERVE, including REPAIRS, REFITS, ALTERATIONS, &c.—continued.

NAME OF SHIP.	PERIODS within which the Expenses was incurred.		Tonnage.	Horse Power.	Number of Guns.	Detailed Head of Charge.	Value of Materials Issued.	Wages.	Payments to Con- tractors, &c. Made and Allowed at Admiralty.	Gross Total, excluding Incidental and Establish- ment Charges.	Value of Materials Returned.	Net Total, excluding Incidental and Establish- ment Charges.	Incidental and Estab- lishment Charges.	Total Expense, inclusive of Incidental and Estab- lishment Charges.	REMARKS.	
	From	To														
NOT IRON CLAD—continued.																
IN COMMISSION—continued.																
CHARYBDIS	-	-	17	400 (1,472)	1,506 (2,487)	10 Aug. 1874	3 Feb. 1875	Rigging and Stores	£. 282	—	—	£. 282	£. 60	£. 222	£.	Casual supplies and returns.
						Engines and Engineers' Fittings.	1	—	—	1	—	1	—	1	—	
						Engineers' Stores	71	—	—	71	—	71	—	71	—	
						Total	72	—	—	72	—	72	—	72	—	
						Hull	176	353	—	529	23	506	—	—	—	
						Masts and Yards	525	2	—	527	96	431	—	—	—	
						Rigging and Stores	2,039	2	—	2,041	967	1,074	—	—	—	
						Total	2,740	357	—	3,097	1,086	2,011	—	—	—	
CURLEW	-	-	3	160 (811)	665 (774)	6 June	10 Mar.	Engines and Engineers' Fittings.	23	13	—	36	1	35	—	Refitting for Re-commission.
						Boilers and Engineers' Fittings.	14	18	—	32	—	32	—	32	—	
						Engineers' Stores	467	—	—	467	267	200	—	200	—	
						Total	504	31	—	535	268	267	—	267	—	
						Hull	314	307	—	621	54	567	—	—	—	
						Masts and Yards	54	2	—	56	4	52	—	—	—	
						Rigging and Stores	974	6	—	980	158	822	—	—	—	
						Total	1,342	315	—	1,657	216	1,441	—	—	—	
DWARF	-	-	4	120 (495)	465 (584)	15 April	6 Mar.	Engines and Engineers' Fittings.	61	24	—	85	3	82	—	Repairs, supplies, and re-
						Boilers and Engineers' Fittings.	132	116	—	248	23	225	—	—	—	turns.
						Engineers' Stores	148	—	—	148	7	141	—	—	—	
						Total	341	140	—	481	33	448	—	—	—	

[illegible]

HONG KONG NAVAL YARD.—No. 4.—DETAILED SHIP ACCOUNT—continued.

No. 2.—WEAR AND TEAR AND MAINTENANCE OF THE FLEET, IN COMMISSION AND IN RESERVE, including REPAIRS, REFITS, ALTERATIONS, &c.—continued.

NAME OF SHIP.	Number of Guns.	Horse Power.	Tonnage.	PERIODS within which the Expense was incurred.		Detailed Head of Charge.	Value of Materials Issued.	Wages.	Payments to Con- tractors,&c. Made and Allowed at Admiralty.	Gross Total, excluding Incidental and Estab- lishment Charges.	Value of Materials Returned.	Net Total, excluding Incidental and Estab- lishment Charges.	Incidental and Estab- lishment Charges.	Total Expense, inclusive of Incidental and Estab- lishment Charges.	REMARKS.
				From	To										
NOT IRON CLAD—continued.															
IN COMMISSION—continued.															
HORNET - - -	4	120 (506)	464 (584)	15 April 1874	17 Mar. 1875	Hull - - - Masts and Yards - - Rigging and Stores - - Total - - - £.	£. 314 43 617 974	£. 316 — 15 331	£. — — — —	£. 630 43 632 1,305	£. 66 — 104 170	£. 564 43 528 1,135	£.	£.	Casual repairs, supplies, &c.
						Engines and Engineers' Fittings. Boilers and Engineers' Fittings. Engineers' Stores - - Total - - - £.	73 95 167 335	33 123 — 156	— — — —	106 218 167 491	— 15 15 30	106 203 152 461			
KESTREL - - -	4	100 (835)	462 (592)	15 April "	12 Feb. "	Rigging and Stores - Engineers' Stores - - Total - - - £.	259 84 94 470 564	— — 104 8 112	— — — — —	259 84 198 478 676	— — 6 67 73	259 84 192 411 603	£.	£.	Casual supplies.
MIDGE - - -	4	120 (472)	464 (584)	12 May "	29 Aug. 1874	Engines and Engineers' Fittings. Boilers and Engineers' Fittings. Engineers' Stores - - Total - - - £.	43 45 145 233	28 54 — 82	— — — —	71 99 145 315	6 20 2 28	65 79 143 287	£.	£.	Casual repairs, supplies, &c.

MODESTE	-	14	350 (2,477)	1,405 (1,984)	29 July "	17 Feb. 1875	Hull - - - - £.	52	28	-	80	-	80	363	Casual repairs, supplies, &c., and alteration of Bread room.
							Rigging and Stores	385	-	385	22	22	443		
							Total - - - £.	437	28	-	465	22	443		
							Engines and Engineers' Fittings.	5	6	-	11	-	11		
Mosquito	-	4	60 (501)	295 (430)	15 April "	1 Mar. "	Hull - - - - £.	122	-	-	122	-	122	Casual supplies.	
							Rigging and Stores	15	-	15	-	15	15		
							Total - - - £.	137	-	-	137	-	137		
							Engines and Engineers' Fittings.	43	-	43	-	43	95		
Oposum	-	1	60 (-)	235 (284)	1 May "	26 Aug. 1874	Hull - - - - £.	2	-	-	2	-	2	Casual supplies and returns.	
							Rigging and Stores	43	-	43	-	43	95		
							Total - - - £.	45	-	-	45	-	45		
							Engines and Engineers' Fittings.	2	-	2	-	2	139		
PRINCESS CHARLOTTE	-	-	-	2,443 (4,122)	30 Mar. "	1 Feb. 1875	Hull - - - - £.	177	105	-	282	267	15	Casual repairs, supplies, &c.	
							Rigging and Stores	2,119	3	2,122	65	2,057	2,057		
							Total - - - £.	2,296	108	-	2,404	332	2,072		2,072
							Engines and Engineers' Fittings.	112	9	-	121	24	97		97
RINGDOVE	-	3	180 (957)	686 (774)	15 April "	31 Mar. "	Hull - - - - £.	433	-	-	433	38	395	ditto - ditto.	
							Rigging and Stores	545	9	-	554	62	492		492
							Total - - - £.	67	-	-	67	-	67		67
							Engines and Engineers' Fittings.	5	5	-	10	-	10		10
STEAM PINNACE, No. 17. (Attached to "Iron Duke.")	-	-	-	-	23 Mar. "	8 Jan. "	Hull - - - - £.	3	2	-	5	-	5	Casual repairs, &c.	
							Rigging and Stores	8	7	-	15	-	15		15
							Total - - - £.	43	38	-	81	-	81		81
							Engines and Engineers' Fittings.	127	-	-	127	6	121		121
SWINGER	-	4	60 (461)	295 (430)	11 July "	15 Mar. "	Hull - - - - £.	170	38	-	208	6	202	Casual repairs, supplies, &c.	
							Rigging and Stores	12	6	-	18	-	18		18
							Total - - - £.	4	11	-	15	-	15		15
							Engines and Engineers' Fittings.	83	1	-	84	-	84		84
Total - - - £.								99	18	-	117	-	117		

Ship.	Date.	Hull.	Masts and Yards.	Rigging and Stores.	Engines and Engineers' Fittings.	Boilers and Engineers' Fittings.	Engineers' Stores.	Total.	Repairs, supplies, &c.; removal of boilers, and fitting for a Receiving Ship.	Casual repairs, &c.
THISTLE.	4 Feb. "	120 (644)	465 (584)	15 April "	407 406 1,839 2,652	360 44 6 410	65 130 450 941 1,963	702	Refitting for Re-commission, supplies, &c.	
VICTOR EMANUEL.	2 6 Nov. "	600 (2,424)	3,087 (5,157)	31 Mar. "	2,353 132 490 2,975	1,710 — — 1,710	3,921 109 2,722 1,308			
VIGILANT.	2 15 Mar. 1875	250 (1,845)	835 (985)	31 Mar. "	42 — 42	4 19 23	46 19 65			
TOTAL - - - £.										

HONG KONG NAVAL YARD.—No. 4.—DETAILED SHIP ACCOUNT—continued.

No. 2.—WEAR AND TEAR AND MAINTENANCE OF THE FLEET, IN COMMISSION AND IN RESERVE, including REPAIRS, REFITS, ALTERATIONS, &c.—continued.

NAME OF SHIP.	Number of Guns.	Horse Power.	Tonnage.	PERIODS within which the Expense was incurred.		Detailed Head of Charge.	Value of Materials Issued.	Wages.	Payments to Con- tractors, &c., Made and Allowed at Admiralty.	Gross Total, excluding Incidental and Establish- ment Charges.	Value of Materials Returned.	Net Total, excluding Incidental and Establish- ment Charges.	Incidental and Estab- lishment Charges.	Total Expense, inclusive of Incidental and Estab- lishment Charges.	REMARKS	
				From	To											
NOT IRON CLAD:																
IN RESERVE:																
OPOSSUM - - -	1	60 (—)	235 (234)	31 July 1874	27 Aug. 1874	Hull - - - Masts and Yards - - Rigging and Stores - Total - - - £.	£. 5 — — 5	£. 7 — — 7	£. — — — —	£. 12 — — 12	£. 49 20 29 98	£. 37 20 29 86	£.	£.	{ Removal of Engines and Boilers, &c., previous to Converting into a Hulk for Contagious diseases.	
						Engines and Engineers' Fittings. Boilers and Engineers' Fittings. Total - - - £.	— — —	2 10 12	— — —	2 10 12	320 180 500	348 470 488	—	—		
STEAM CUTTER, No. 13.	—	2	—	15 May "	12 June "	Hull - - - Engines and Engineers' Fittings. Total - - - £.	14 1 —	10 — —	— — —	24 1 —	— — —	24 1	—	—		Casual repairs, &c.
STEAM LAUNCH, No. 24.	—	6	23	18 April "	20 Nov. "	Hull - - - Rigging and Stores - Total - - - £.	30 19 49	24 — 24	— — —	54 19 73	— — —	54 19 73	—	—	ditto.	
STEAM PINNACE, No. 49.	—	6	12	8 Feb. 1875	5 Mar. 1875	Engines and Engineers' Fittings. Boilers and Engineers' Fittings. Total - - - £.	4 16 20	19 13 26	— — —	17 29 46	— 5 5	17 24 41	—	—	ditto.	
						Hull - - -	1	9	—	10	—	10	—	—		
						Engines and Engineers' Fittings. Boilers and Engineers' Fittings. Total - - - £.	1 2 3	4 8 12	— — —	5 10 15	— — —	5 10 15	—	—	ditto.	

STEAM PINNACE, No. 51.	-	6	-	3 Jan. "	13 Mar. "	Hull - - - -	14	8	-	22	4	18																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
						Rigging and Stores	-	-	-	-	2	2																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
						Total - - - £.	14	8	-	22	6	16																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
						Engines and Engineers' Fittings.	2	2	-	4	-	4																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
						Boilers and Engineers' Fittings.	1	6	-	7	-	7																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
						Total - - - £.	3	8	-	11	-	11																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
						Hull - - - -	64	58	-	122	53	69																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
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						Rigging and Stores	19	-	-	19	31	12																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
						TOTAL - - - £.	83	58	-	141	104	37																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
TOTAL - - -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

No. 3.—HULKS REPAIRING, &c.

NAME OF SHIP.	Rate or Class of Ship.	Tonnage.	PERIODS within which the Expense was incurred.		Detailed Head of Charge.	Value of Materials Issued.	Wages.	Payments to Contractors, &c. Made and Allowed at Admiralty.	Gross Total, excluding incidental and Establishment Charges.	Value of Materials Returned.	Net Total, excluding incidental and Establishment Charges.	Incidental and Establishment Charges.	Total Expense, inclusive of incidental and Establishment Charges.	REMARKS.
			From	To										
FLAMER	Late Gunboat	236 (28½)	- On the 24th July 1874 -		Hull - - - -	£. -	£. 1	£. -	£. 1	£. -	£. 1	£. -	£. -	Casual repairs.
Opossum	Late Gunboat	235 (28½)	7 Aug. 1874	4 Dec. 1874	Hull - - - -	269	296	-	565	218	347	-	-	Converting into a Hulk for Contagious diseases.
					Rigging and Stores	9	1	-	10	139	129	-	-	
					Total - - - £.	278	297	-	575	357	218	-	-	
			TOTAL - - -		{ Hull - - - - Rigging and Stores	269 9	297 1	- -	566 10	218 139	348 129	-	See Abstract (p. 557).	
					TOTAL - - - £.	278	298	-	576	357	219	-	-	

No. 8 (Coal Barge).	-	48	4 June 1874	12 Mar. 1875	{ Hull - - - Rigging and Stores -	16	18	—	34	—	34	—	34	Casual repairs, &c.	
						9	—	9	—	9	—				
						Total - - - £.	25	18	—	43	—	43	—		43
No. 9 (Coal Barge).	-	48	4 June "	19 Feb. "	{ Hull - - - Rigging and Stores -	44	24	—	68	2	66	2	66	- - ditto.	
						10	—	—	10	—	10	—	10		—
						Total - - - £.	54	24	—	78	2	76	—		76
No. 10 (Coal Barge).	-	48	4 June "	3 Mar. "	{ Hull - - - Rigging and Stores -	6	2	—	8	—	8	—	8	- - ditto.	
						12	—	—	12	—	12	—	12		—
						Total - - - £.	18	2	—	20	—	20	—		20
No. 11 (Coal Barge).	-	48	3 April "	4 June 1874	Hull - - -	2	2	—	4	—	4	—	4	Casual repairs.	
						58	32	—	90	—	90	—	90		—
						7	1	—	8	—	8	—	8		—
No. 12 (Coal Barge).	-	48	4 June "	20 Nov. "	{ Hull - - - Rigging and Stores -	209	161	—	370	2	368	2	368	ditto.	
						63	—	—	63	—	63	—	63		—
						272	161	—	433	2	431	—	431		—
No. 13 (Coal Barge).	-	48	15 May "	4 June "	{ Hull - - - Rigging and Stores -	16	20	—	45	—	45	—	45	- - ditto.	
						70	63	—	133	22	111	22	111		—
						16	—	—	16	—	16	—	16		—
TOTAL - - -					102	92	—	194	22	172	See Abstract (p. 557).				

HONG KONG—
continued.

HONG KONG NAVAL YARD.—No. 4.—DETAILED SHIP ACCOUNT—continued.

A B S T R A C T.

S E R V I C E.	Page.	DESCRIPTION.	Detailed Head of Charge.	Value of Materials Issued.	Wages.	Payments to Contractors, &c. Made and Allowed at Admiralty.	Gross Total, excluding incidental and Establishment Charges.	Value of Materials Returned.	Net Total, excluding incidental and Establishment Charges.	Incidental and Establishment Charges.	Total Expense, inclusive of incidental and Establishment Charges.
No. 2.—Wear and Tear and Maintenance of the Fleet, in Commission and in Reserve, including Repairs, Refits, Alterations, Works rendered necessary by New Armaments, and the Renewal of Worn-out and Perishable Stores, such as Rigging, Rope, Sails, Blocks, &c.:— In Commission	544	Iron Clads built by Contract.	Hull - - - - -	£. 33	£. 42	£. —	£. 75	£. —	£. 75	£. —	£. —
			Masts and Yards - - - -	3	—	—	3	—	3	—	—
			Rigging and Stores - - -	147	3	—	150	25	125	—	—
			Engines and Engineers' Fittings	2	17	—	19	—	19	245	669
			Boilers and Engineers' Fittings	6	38	—	44	—	44	—	—
No. 2.—Wear and Tear and Maintenance of the Fleet, in Commission and in Reserve, including Repairs, Refits, Alterations, Works rendered necessary by New Armaments, and the Renewal of Worn-out and Perishable Stores, such as Rigging, Rope, Sails, Blocks, &c.:— In Commission	544	Iron Clads built in Her Majesty's Dockyards - -	Engineers' Stores - - - -	160	—	—	160	2	158	—	—
			TOTAL - - - - -	351	100	—	451	27	424	—	—
			Hull - - - - -	15	23	—	38	—	38	—	—
			Rigging and Stores - - -	871	30	—	901	231	670	475	1,486
			Engines and Engineers' Fittings	6	9	—	15	1	14	—	—
No. 2.—Wear and Tear and Maintenance of the Fleet, in Commission and in Reserve, including Repairs, Refits, Alterations, Works rendered necessary by New Armaments, and the Renewal of Worn-out and Perishable Stores, such as Rigging, Rope, Sails, Blocks, &c.:— In Commission	551	Not Iron Clad - - -	Boilers and Engineers' Fittings	58	80	—	138	13	125	—	—
			Engineers' Stores - - - -	182	—	—	182	18	164	—	—
			TOTAL - - - - -	1,132	142	—	1,274	263	1,011	—	—
			Hull - - - - -	6,463	4,520	—	10,983	1,767	9,216	17,402	38,492
			Masts and Yards - - - -	1,249	58	—	1,307	273	1,034	—	—
No. 2.—Wear and Tear and Maintenance of the Fleet, in Commission and in Reserve, including Repairs, Refits, Alterations, Works rendered necessary by New Armaments, and the Renewal of Worn-out and Perishable Stores, such as Rigging, Rope, Sails, Blocks, &c.:— In Commission	551	Not Iron Clad - - -	Rigging and Stores - - -	15,877	157	—	16,034	6,844	9,190	—	—
			Engines and Engineers' Fittings	523	311	—	834	50	784	—	—
			Boilers and Engineers' Fittings	895	895	—	1,790	1,275	515	—	—
			Engineers' Stores - - - -	3,357	3	—	3,360	3,009	351	—	—
			TOTAL - - - - -	28,364	5,944	—	34,308	13,218	21,090	—	—

In Reserve	553	Not Iron Clad	Hull	-	-	-	-	64	58	-	122	53	60	325	58		
			Masts and Yards	-	-	-	-	-	-	-	-	20	20				
			Rigging and Stores	-	-	-	-	19	-	-	19	31	42				
			Engines and Engineers' Fittings	-	-	-	-	8	21	-	20	320	204				
			Boilers and Engineers' Fittings	-	-	-	-	19	37	-	56	185	429				
TOTAL			-	-	-	-	110	116	-	226	609	383					
No. 3.—Hulks Repairing, &c.	553		Hull	-	-	-	-	209	297	-	566	218	348	658	877		
			Rigging and Stores	-	-	-	-	9	1	-	10	139	429				
			TOTAL		-	-	-	278	298	-	576	357	219				
No. 4.—Steam Tugs, Yard Craft, Coal Depôts, &c., Building, Fitting, Refitting, &c.	555		Hull	-	-	-	-	209	161	-	370	2	368	538	1,141		
			Rigging and Stores	-	-	-	-	63	-	-	63	-	63				
			Engines and Engineers' Fittings	-	-	-	-	16	29	-	45	-	45				
			Boilers and Engineers' Fittings	-	-	-	-	70	63	-	133	22	111				
			Engineers' Stores	-	-	-	-	16	-	-	16	-	16				
TOTAL			-	-	-	-	374	253	-	627	24	603					
TOTAL			Hull	-	-	-	-	7,053	5,101	-	12,154	2,040	10,114	19,643	42,607		
			Masts and Yards	-	-	-	-	1,252	58	-	1,310	293	1,017				
			Rigging and Stores	-	-	-	-	16,986	191	-	17,177	7,270	9,907				
			Engines and Engineers' Fittings	-	-	-	-	555	387	-	942	371	571				
			Boilers and Engineers' Fittings	-	-	-	-	1,048	1,113	-	2,161	1,495	666				
TOTAL			-	-	-	-	3,715	3	-	3,718	3,029	689					
GRAND TOTAL			-	-	-	-	30,609	6,853	-	37,462	14,498	22,964					

JAMAICA NAVAL YARD.

JAMAICA NAVAL YARD, —No. 4.—SHIPS—continued.

DETAILED SHIP ACCOUNT, showing the Amount of WAGES Paid, the Value of MATERIALS Issued and Returned, and the share of INCIDENTAL and ESTABLISHMENT CHARGES on account of each Sub-Head of SHIPS Building, Repairing, &c., during the Year ended 20th March 1875.

NO. 2.—WEAR AND MAINTENANCE OF THE FLEET, IN COMMISSION AND IN RESERVE, including REPAIRS, REFITS, ALTERATIONS, WORKS rendered necessary by NEW ARMAMENTS, and the RENEWAL of WORN-OUT and PERISHABLE STORES, such as RIGGING, ROPE, SAILS, BLOCKS, &c.

Note.—The Figures printed in *Italics* in the Money Columns show the Amount of Net Credits for Stores, &c. returned.

NAME OF SHIP.	Number of Guns.	Horse Power.	PERIODS within which the Expense was incurred.		Detailed Head of Charge.	Value of Materials Issued.	Wages.	Payments to Contractors, &c. Made and Allowed at Admiralty.	Gross Total, excluding Incidentals and Establishment Charges.	Value of Materials Returned.	Net Total, excluding Incidentals and Establishment Charges.	Incidental and Establishment Charges.	Total Expense, inclusive of Incidentals and Establishment Charges.	REMARKS.
			From	To										
IRON CLADS BUILT IN HER MAJESTY'S DOCKYARDS:														
IN COMMISSION:														
BELLEROPHON	15	1,000 (6,524)	- On the 13th Mar. 1875 -		Engineers' Stores	£. 1	£. —	£. —	£. 1	£. —	£. 1		£.	Stores supplied.
			8 April 1874	31 Nov. 1874	Hull - - - Masts and Yards - - Rigging and Stores - - • Total - - - £.	211 31 522 764	304 59 50 413	— — — —	515 90 572 1,177	29 — 120 149	486 90 452 1,028			
					Engineers' Stores	28	—	—	28	7	21			
			8 Dec. "	23 Jan. 1875	Hull - - - Masts and Yards - - Rigging and Stores - - Total - - - £.	3 1 132 136	6 — 16 22	— — — —	9 1 148 158	— — 7 7	9 1 141 151			Casual repairs, supplies, &c.
			- On the 1st Feb. 1875 -		Hull - - - Rigging and Stores - - Total - - - £.	4 108 112 8	— — — —	— — — —	4 108 112 8	— 1 1 —	4 107 111 8			
NOT IRON CLAD:														
IN COMMISSION:														
ABOUKIR	23	400 (1,538)	8 Dec. "		Hull - - - Masts and Yards - - Rigging and Stores - - Total - - - £.	3 1 132 136	6 — 16 22	— — — —	9 1 148 158	— — 7 7	9 1 141 151			Casual repairs, supplies, &c.

JAMAICA NAVAL YARD.—No. 4.—DETAILED SHIP ACCOUNT—continued.

No. 2.—WEAR AND TEAR AND MAINTENANCE OF THE FLEET, IN COMMISSION AND IN RESERVE, including REPAIRS, REFITS, ALTERATIONS, &c.—continued.

NAME OF SHIP.	Number of Guns.	Horse Power.	Tonnage.	PERIODS within which the Expense was incurred.		Detailed Head of Charge.	Value of Materials Issued.	Wages.	Payments to Con- tractors, &c. Made and Allowed at Admiralty.	Gross Total, excluding Incidental and Establish- ment Charges.	Value of Materials Returned.	Net Total, excluding Incidental and Establish- ment Charges.	Incidental and Estab- lishment Charges.	Total Expense, inclusive of Incidental and Estab- lishment Charges.	REMARKS.					
				From	To															
NOT IRON CLAD—continued. IN COMMISSION—continued.																				
HERON	—	60 (—)	270 (330)	5 Sept. "	19 Sept. "	Hull - - -	—	1	—	1	—	1	—	—	Casual repairs, supplies, &c.					
						Rigging and Stores -	4	—	—	4	—	4	—	—						
						Boilers and Engineers' Fittings.	—	1	—	1	—	1	—	—						
						Total - - - £.	—	2	—	2	—	2	—	—						
						Boilers and Engineers' Fittings.	42	10	—	52	2	50	—	—						
						Engineers' Stores -	16	—	16	—	16	—	—							
						Total - - - £.	58	10	—	68	2	66	—	—						
						Hull - - -	—	2	—	2	—	2	—	—						
						Boilers and Engineers' Fittings.	5	4	—	9	9	—	—							
						Rigging and Stores -	42	—	—	42	8	34	—	—						
				4 Nov. "	23 Dec. "	Engines and Engineers' Fittings.	21	—	—	21	—	21	—	—						
						Boilers and Engineers' Fittings.	—	12	—	12	3	9	—	—						
						Engineers' Stores -	2	—	—	2	—	2	—	—						
						Total - - - £.	23	12	—	35	3	32	—	—						
						Boilers and Engineers' Fittings.	2	3	—	5	—	5	—	—						
						Engineers' Stores -	7	—	—	7	—	7	—	—						
						Total - - - £.	9	3	—	12	—	12	—	—						
						18 Feb. "	6 Mar. "	Rigging and Stores -	2	1	—	3	—	—		—	—	3	—	—

SEAGULL -	3	160 (702)	663 (774)	26 Mar. 1874	30 April 1874	Hull - - - £.	-	1	-	-	1	68	1	67
						Rigging and Stores	68	-	-	-	-	68	1	68
						Total - - - £.	68	1	-	-	69	69	1	68
						Engines and Engineers' Fittings.	-	1	-	-	1	1	-	1
						Boilers and Engineers' Fittings	-	4	-	-	4	4	-	4
				1 May "	30 May "	Engines' Stores	20	-	-	-	20	20	-	20
						Total - - - £.	20	5	-	-	25	25	-	25
				1 May "	30 May "	Hull - - - £.	-	1	-	-	1	1	-	1
						Rigging and Stores	43	-	-	-	43	43	12	31
						Total - - - £.	43	1	-	-	44	44	12	32
				1 June "	13 June "	Rigging and Stores	31	-	-	-	31	31	-	31
						Boilers and Engineers' Fittings.	5	2	-	-	7	7	-	7
						Hull - - - £.	9	4	-	-	13	13	-	13
						Rigging and Stores	246	5	-	-	251	251	55	196
						Total - - - £.	255	9	-	-	264	264	55	209
				17 Sept. "	6 Nov. "	Boilers and Engineers' Fittings.	7	4	-	-	11	11	2	9
						Engines' Stores	81	-	-	-	81	81	1	80
						Total - - - £.	88	4	-	-	92	92	3	80
				- On the 21st Dec. 1874 -		Rigging and Stores	3	-	-	-	3	3	-	3
				8 Feb. 1875	20 Feb. 1875	Rigging and Stores	3	-	-	-	3	3	2	1
SPARTAN	8	350 (4,582)	1,209 (4,755)	6 Mar. "	20 Mar. "	Hull - - - £.	6	-	-	-	6	6	-	6
						Rigging and Stores	4	3	-	-	7	7	1	6
						Total - - - £.	10	3	-	-	13	13	1	12
				- On the 30th April 1874 -		Engines' Stores	13	-	-	-	13	13	-	13
				1 May 1874	16 May 1874	Rigging and Stores	2	-	-	-	2	2	1	1
SPHINX	5	200 (4,469)	1,061 (-)			Rigging and Stores	141	1	-	-	142	142	8	134
						Engines and Engineers' Fittings.	1	-	-	-	1	1	-	1
				8 June "	11 June "	Rigging and Stores	3	-	-	-	3	3	-	3
						Boilers and Engineers' Fittings.	1	-	-	-	1	1	-	1
						Total - - - £.	4	-	-	-	4	4	-	4

- ditto - ditto.

- ditto - ditto.

- ditto - ditto.

No. 2.—WEAR AND TEAR AND MAINTENANCE OF THE FLEET, IN COMMISSION AND IN RESERVE, including REPAIRS, REFITS, ALTERATIONS, &c.—continued.

NAME OF SHIP.	PERIODS within which the Expense was incurred.		Tonnage.	Horse Power.	Number of Guns.	Detailed Head of Charge.	Value of Materials Issued.	Wages.	Payments to Con- tractors, &c Made and Allowed at Admiralty.	Gross Total, excluding Incidental and Estab- lishment Charges.	Value of Materials Returned.	Net Total, excluding Incidental and Estab- lishment Charges.	Incidental and Estab- lishment Charges.	Total Expense, inclusive of Incidental and Estab- lishment Charges.	REMARKS.					
	From	To																		
NOT IRON CLAD—continued.																				
IN COMMISSION—continued.																				
SWALLOW	-	-	-	160 (892)	3	664 (774)	Hull - - - £. Masts and Yards - - Rigging and Stores - - Total - - - £.	£. 24 10 152 186 40	£. 37 - 3 - 40	£. 61 10 155 226	£. - - 25 25	£. 61 10 130 201	-	-	Casual repairs, supplies, &c.					
																Engines and Engineers' Fittings.	16	-	16	-
																Boilers and Engineers' Fittings.	28	2	28	-
																Engineers' Stores -	96	-	96	-
						Total - - - £.	121	21	-	142	2	140	-	-						
WOODLARK	-	-	-	160 (384)	3	663 (774)	Hull - - - Rigging and Stores - - Hall - - - Boilers and Engineers' Fittings. Engineers' Stores - - Total - - - £.	£. 1 5 6 61 35 - 2 2	£. - - - 3 - 3	£. 1 5 6 64 55 3 2 5	£. -									

No. 4.—STEAM TUGS, YARD CRAFT, COAL DEPÔTS, &c., BUILDING, FITTING, REFITTING, &c.

Yard to which the Craft is Attached.	Name and Description of Yard Craft.	Horse Power.	Tonnage.	PERIODS within which the Expense was incurred.		Detailed Head of Charge.	Value of Materials Issued.	Wages.	Payments to Contractors, &c. made and Allowed at Admiralty.	Gross Total, excluding incidental and Establishment Charges.	Value of Materials Returned.	Net Total, excluding incidental and Establishment Charges.	Incidental and Establishment Charges.	Total Expense, inclusive of incidental and Establishment Charges.	REMARKS.
				From	To										
JAMAICA YARD.	No. 1 (Tank Vessel, No. 1).	-	115	4 April 1874	23 May 1874	{ Hull - - - Rigging and Stores -	£.	£.	£.	£.	£.	£.	£.	£.	Casual repairs, supplies, &c.
							-	1	-	1	-	1	-	1	
							5	2	-	7	-	7	-	7	
						Total - - - £.	5	3	-	8	-	8	-	8	
				24 June "	30 June "	Rigging and Stores -	24	6	-	30	3	27	-	27	
				13 Aug. "	29 Aug. "	{ Hull - - - Rigging and Stores -	-	1	-	1	-	1	-	1	
							1	1	-	2	-	2	-	2	
						Total - - - £.	1	2	-	3	-	3	-	3	
				7 Sept. "	22 Sept. "	Rigging and Stores -	3	1	-	4	-	4	-	4	
				10 Oct. "	24 Oct. "	Hull - - -	1	6	-	7	-	7	-	7	
JAMAICA YARD.	No. 2 (Tank Vessel, No. 2).	-	115	11 Jan. 1875	20 Feb. 1875	{ Hull - - - Rigging and Stores -	3	1	-	4	-	4	-	4	Repairs, supplies, &c.
							13	9	-	22	4	18	-	18	
						Total - - - £.	16	10	-	26	4	22	-	22	
				7 Mar. 1874	14 Nov. 1874	{ Hull - - - Rigging and Stores -	195	290	-	485	30	455	-	455	
							27	12	-	39	9	30	-	30	
						Total - - - £.	222	302	-	524	39	485	-	485	
				16 Feb. 1875	17 Feb. 1875	Masts and Yards -	2	-	-	2	-	2	-	2	
						{ Rigging and Stores	3	-	-	3	1	2	-	2	
						Total - - - £.	5	-	-	5	1	4	-	4	
				8 Mar. "	20 Mar. "	{ Hull - - - Rigging and Stores -	-	1	-	1	-	1	-	1	
							3	2	-	5	-	5	-	5	
						Total - - - £.	3	3	-	6	-	6	-	6	

JAMAICA NAVAL YARD.—No. 4.—DETAILED SHIP ACCOUNT—continued.

No. 4.—STEAM TUGS, YARD CRAFT, COAL DEPÔTS, BUILDING, FITTING, REFITTING, &c.—continued.

Yard to which the Craft is Attached.	Name and Description of Yard Craft.	Horse Power.	Tonnage.	PERIODS within which the Expense was incurred.		Detailed Head of Charge.	Value of Materials Issued.	Wages.	Payments to Contractors, &c. Made and Allowed at Admiralty.	Gross Total, excluding Incidentals and Establishment Charges.	Value of Materials Returned.	Net Total excluding Incidentals and Establishment Charges.	Incidental and Establishment Charges.	Total Expense, inclusive of Incidentals and Establishment Charges.	REMARKS.
				From	To										
JAMAICA YARD—continued.	No. 3 (Tank Vessel No. 3).	-	115	17 Mar. 1874	1 May 1874	Rigging and Stores	£. 2	—	£. —	£. 2	£. 1	£. 1	£.	£.	Casual repairs, supplies, &c.
				11 July "	25 July "	{ Hull - - - Rigging and Stores	— 5	1 1	— —	1 6	— —	1 6	£.	£.	
				10 Aug. "	12 Sept. "	Total - - - £.	5	2	—	7	—	7	£.	£.	
				10 Aug. "	12 Sept. "	{ Hull - - - Rigging and Stores	2 8	3 3	— —	5 11	— 2	5 9	£.	£.	
						Total - - - £.	10	6	—	16	2	14	£.	£.	
				- On the 20th Oct. 1874 -		Rigging and Stores	3	—	—	3	—	3	£.	£.	
				- On the 1st Dec. 1874 -		Hull - - -	311	237	—	548	207	341	£.	£.	
				18 Mar. 1874	25 April 1874	{ Rigging and Stores	—	1	—	1	—	1	£.	£.	
				- On the 1st May 1874 -		Rigging and Stores	5	2	—	7	1	6	£.	£.	
				6 June 1874	27 June 1874	Rigging and Stores.	14	1	—	15	—	15	£.	£.	
				4 July "	25 July "	Hull - - -	—	2	—	2	—	2	£.	£.	
	No. 4 (Tank Vessel No. 4).	-	90	8 Aug. "	17 Oct. "	{ Hull - - - Rigging and Stores	— 35	5 5	— —	5 40	— 13	5 27	£.	£.	- ditto - ditto.
						Total - - - £.	35	10	—	45	13	32	£.	£.	
				- On the 7th Nov. 1874 -		{ Hull - - - Rigging and Stores	11 20	3 38	— —	14 58	— 5	14 53	£.	£.	
						Total - - - £.	31	41	—	72	5	67	£.	£.	

JAMAICA YARD— <i>continued.</i>		No. 11 (Steam Launch).	8	20
4 April 1874	25 April 1874	Hull - - - - Boilers and Engineers' Fittings.	1 1 1	1 1 1
2 May "	30 May "	Hull - - - - Engines and Engineers' Fittings.	1 1	1 1
13 July "	25 July "	Engines and Engineers' Fittings. Boilers and Engineers' Fittings.	1 1 4	1 1 5
		Total - - - £.	1 5 6	6 6
		Hull - - - -	3 8	11 11
5 Aug. "	19 Sept. "	Engines and Engineers' Fittings. Boilers and Engineers' Fittings.	7 33 40	34 23 57
		Total - - - £.	40 42	57 25
5 Oct. "	7 Nov. "	Engines and Engineers' Fittings.	10 3	13 13
12 Dec. "	17 Dec. "	Engines and Engineers' Fittings.	- 2	2 2
		Hull - - - -	- 1	1 1
		On the 1st March 1875	-	-
		Hull - - - - Masts and Yards - Rigging and Stores -	526 2 171	851 2 216
		TOTAL - - - £.	699 646	1,069 276
		Engines and Engineers' Fittings. Boilers and Engineers' Fittings.	18 34 52	51 29 80
		TOTAL - - - £.	53	25
		See Abstract (p. 568).		

JAMAICA NAVAL YARD.—No. 4.—DETAILED SHIP ACCOUNT—continued.

A B S T R A C T.

S E R V I C E.	Page.	DESCRIPTION.	Detailed Head of Charge.	Value of Materials Issued.	Wages.	Payments to Contractors, &c. Made and Allowed at Admiralty.	Gross Total, excluding Incidental and Establishment Charges.	Value of Materials Returned.	Net Total, excluding Incidental and Establishment Charges.	Incidental and Establishment Charges.	Total Expense, inclusive of Incidental and Establishment Charges.
No. 2.—Wear and Tear and Maintenance of the Fleet, in Commission and in Reserve, including Repairs, Refits, Alterations, Works rendered necessary by New Armaments, and the Renewal of Worn-out and Perishable Stores, such as Rigging, Rope, Sails, Blocks, &c.:— In Commission - - - - -	560	Iron Clads built in Her Majesty's Dockyards - -	Engineers' Stores - - - -	£.	£.	£.	£.	£.	£.	£.	£.
				1	—	—	1	—	1	—	1
	564	Not Iron Clad - - - -	Hull - - - - Masts and Yards - - - - Rigging and Stores - - - - Engines and Engineers' Fittings - - - - Boilers and Engineers' Fittings - - - - Engineers' Stores - - - -	349 44 1,989 34 75 362	413 — 92 6 —	— — — — —	762 104 2,081 40 135 362	33 — 358 — 18 10	729 104 1,723 40 117 352	1,678	4,743
			TOTAL - - - - £.	2,853	631	—	3,484	419	3,065	—	—
	567	Steam Tugs, Yard Craft, Coal Depôts, &c., Building, Fitting, Refitting, &c. - -	Hull - - - - Masts and Yards - - - - Rigging and Stores - - - - Engines and Engineers' Fittings - - - - Boilers and Engineers' Fittings - - - -	526 2 171 18 34	562 — 84 33 20	— — — — —	1,088 2 255 51 54	237 — 39 — 25	851 2 216 51 29	1,479	2,628
			TOTAL - - - - £.	751	699	—	1,450	301	1,149	—	—
			Hull - - - - Masts and Yards - - - - Rigging and Stores - - - - Engines and Engineers' Fittings - - - - Boilers and Engineers' Fittings - - - - Engineers' Stores - - - -	875 46 2,160 52 109 363	975 60 176 39 80 —	— — — — — —	1,850 106 2,336 91 189 363	270 — 397 — 43 10	1,580 106 1,939 91 146 353	3,157	7,372
		TOTAL - - - -	GRAND TOTAL - - - - £.	3,605	1,330	—	4,935	720	4,215	—	—

MALTA NAVAL YARD.

MALTA NAVAL YARD.—No 4.—SHIPS—continued.

DETAILED SHIP ACCOUNT, showing the Amount of WAGES Paid, the Value of MATERIALS Issued and Returned, and the Share of INCIDENTAL and ESTABLISHMENT CHARGES on account of each Sub-Head of SHIPS Building, Repairing, &c., during the Year ended 20th March 1875.

No. 2.—WEAR AND TEAR AND MAINTENANCE OF THE FLEET, IN COMMISSION AND IN RESERVE, including REPAIRS, REFITS, ALTERATIONS, WORKS rendered necessary by NEW ARMAMENTS, and the RENEWAL of WORN-OUT and PERISHABLE STORES, such as RIGGING, ROPE, SAILS, BLOCKS, &c.

Note.—The figures printed in Italics in the Money Columns show the Amount of Net Credits for Stores, &c., returned.

NAME OF SHIP.	PERIODS within which the Expense was incurred.		Tonnage.	Horse Power.	Number of Guns.	Detailed Head of Charge.	Value of Materials Issued.	Wages.	Payments to Con- tractors, &c. Made and Allowed at Admiralty.	Gross Total, excluding Incidental and Establish- ment Charges.	Value of Materials Returned.	Net Total, excluding Incidental and Establish- ment Charges.	Incidental and Estab- lishment Charges.	Total Expense, inclusive of Incidental and Estab- lishment Charges.	REMARKS.
	From	To													
IRON CLADS BUILT BY CONTRACT:															
IN COMMISSION :															
AUDACIOUS -	16 Nov. 1874	21 Nov. 1874		800 (4,024)	14	Hull - - - Rigging and Stores - Total - - - £.	£. 45 75 120	32 — 32	— — —	£. 77 75 152	— 21 21	£. 77 54 131	— — —	— — —	Casual repairs, supplies, &c.
						Engines and Engineers' Fittings. Boilers and Engineers' Fittings. Total - - - £.	18 30 48	26 72 98	— — —	44 102 146	— — —	44 102 146	— — —	— — —	
						Rigging and Stores - Rigging and Stores -	96 20	— —	— —	96 20	— —	96 20	— —	— —	Casual supplies. — ditto.
						Hull - - - Masts and Yards - - Rigging and Stores - Total - - - £.	37 14 859 910	49 1 — 50	— — — —	86 15 859 960	— — 131 131	86 15 728 829	— — — —	— — — —	
						Engines and Engineers' Fittings. Boilers and Engineers' Fittings. Engineers' Stores - Total - - - £.	1 39 336 376	6 32 — 38	— — — —	7 71 336 414	— — 21 21	7 71 315 393	— — — —	— — — —	Casual repairs, supplies, &c.
INVINCIBLE -	29 May 1874	10 Aug. 1874		800 (4,832)	14										

[illegible]

MALTA NAVAL YARD.--No. 4.--DETAILED SHIP ACCOUNT--continued.

No. 2.--WEAR AND TEAR AND MAINTENANCE OF THE FLEET, IN COMMISSION AND IN RESERVE, including REPAIRS, REFITS, ALTERATIONS, &c.--continued.

NAME OF SHIP.	PERIODS within which the Expense was incurred.		Tonnage	Horse Power.	Number of Guns.	Detailed Head of Charge.	Value of Materials Issued.	Wages.	Payments to Contractors, &c. Made and Allowed at Admiralty.	Gross Total, excluding Incidentals and Establishment Charges.	Value of Materials Returned.	Net Total, including Incidentals and Establishment Charges.	Incidental and Establishment Charges.	Total Expense, including Incidentals and Establishment Charges.	REMARKS.
	From	To													
IRON-CLADS BUILT IN HER MAJESTY'S DOCKYARDS:															
IN COMMISSION:		23 Mar. 1874	6 June 1874			Hull - - - -	£. 2,762	935	—	£. 3,697	£. 1,870	£. 1,827	—	£.	Refitting for Re-commission; supplies, returns, &c. Paid off on 23rd April 1874, and re-commissioned the following day.
						Masts and Yards -	92	20	—	112	—	112	—	—	
						Rigging and Stores -	3,007	79	—	3,086	633	2,453	—	—	
						Total - - - £.	5,861	1,034	—	6,895	2,503	4,392	—	—	
						Engines and Engineers' Fittings.	9	20	—	38	2	36	—	—	
						Boilers and Engineers' Fittings.	11	7	—	18	—	18	—	—	
						Engineers' Stores -	235	—	—	235	8	227	—	—	
						Total - - - £.	255	36	—	291	10	281	—	—	
						Rigging and Stores -	5	—	—	5	—	5	—	—	
						Total - - - £.	380	17	—	397	209	188	—	—	
LORD WARDEN	18	4,080 (7,842)	1,000 (6,706)	—		Engineers' Stores -	87	—	—	87	—	87	—	—	Casual supplies.
						Hull - - - -	22	5	—	27	180	453	—	—	
						Rigging and Stores -	1,076	—	—	1,076	477	599	—	—	
						Total - - - £.	1,098	5	—	1,103	657	446	—	—	
						Engines and Engineers' Fittings.	3	3	—	6	—	6	—	—	
						Boilers and Engineers' Fittings.	2	4	—	6	—	6	—	—	
						Engineers' Stores -	260	—	—	260	11	249	—	—	
						Total - - - £.	265	7	—	272	11	261	—	—	
						Hull - - - -	—	1	—	1	3	2	—	—	
						Rigging and Stores -	292	14	—	306	304	2	—	—	
		14 Jan. 1875	18 Mar. 1875			Total - - - £.	292	15	—	307	307	—	—	ditto - ditto.	
						Engineers' Stores -	22	—	—	22	—	22	—		—
		11 Nov. "	15 Dec. "			Engines and Engineers' Stores.	87	—	—	87	—	87	—	—	Slight repairs, supplies, and returns.
						Hull - - - -	22	5	—	27	180	453	—	—	
		23 Mar. 1874	6 June 1874			Engines and Engineers' Stores.	87	—	—	87	—	87	—	—	ditto - ditto.
						Hull - - - -	22	5	—	27	180	453	—	—	

PALLAS	8	600 (3,584)	2,372 (3,787)	10 April 1874	11 April 1874	Hull - - - - Masts and Yards - Rigging and Stores	6 12 87	10 4 —	— — —	16 16 87	— — 22	16 16 65	- ditto - ditto.
				- On the 5th June 1874 -		Engineers' Stores - Rigging and Stores	105 24 42	14 — —	— — —	119 24 42	22 — —	97 24 42	Casual supplies.
				29 July 1874	4 Aug. 1874	Hull - - - - Masts and Yards - Rigging and Stores	12 9 419	2 3 —	— — —	14 12 419	— — 89	14 12 380	Slight repairs, supplies, and returns.
				11 Nov. "	16 Jan. 1875	Engineers' Stores - Hull - - - - Masts and Yards - Rigging and Stores	440 148 59 5 583	5 — 11 77	— — — —	445 148 125 5 594	89 — 2 192 194	356 148 123 5 402	- ditto - ditto.
RESEARCH	4	200 (4,042)	1,253 (1,741)	8 Feb. 1875	1 Mar. "	Engines and Engineers' Fittings. Boilers and Engineers' Fittings. Engineers' Stores - Total - - - £.	26 1 47 74	42 3 — 45	— — — —	68 4 47 119	11 — — 11	57 4 47 108	- ditto - ditto.
				- On the 28th Mar. 1874 -		Engineers' Stores - Rigging and Stores	108 20	— —	— —	168 20	— —	168 20	Docking; casual repairs, supplies, &c.
				5 May 1874	22 May 1874	Hull - - - - Masts and Yards - Rigging and Stores	39 8 262	36 5 2	— — —	75 13 264	— 4 128	75 9 136	Casual supplies.
						Engineers' Stores - Rigging and Stores	309	43	—	352	182	220	Docking; casual repairs, supplies, &c.

No. 2.--WEAR AND TEAR AND MAINTENANCE OF THE FLEET, IN COMMISSION AND IN RESERVE, including REPAIRS, REITS, ALTERATIONS, &c.--continued.

NAME OF SHIP.	PERIOD: within which the Expense was incurred.		Tonnage.	Horse Power.	Number of Guns.	Detailed Head of Charge.	Value of Materials Issued.	Wages.	Payments to Contractors, &c. Made and Allowed at Admiralty.	Gross Total, excluding Incidentals and Establishment Charges.	Value of Materials Returned.	Net Total, excluding Incidentals and Establishment Charges.	Incidental and Establishment Charges.	Total Expense, inclusive of Incidentals and Establishment Charges.	REMARKS.	
	From	To														
IRON CLADS BUILT IN HER MAJESTY'S DOCKYARD—continued.																
RESEARCH (continued.)	2 June 1874	9 June 1874	{ Rigging and Stores - Engineers' Stores -	£. 1 4	£. — —	£. — —	£. 1 4	£. 13 —	£. 4 ² 4	£. — —	£. 5 7 171	£. — —	£. — —	£. — —	Supplies and returns.	
			{ Hull - Masts and Yards - Rigging and Stores -	4 4 241	1 3 —	— — —	5 7 241	— — 70	— — 171	— — —	— — —	— — —	— — —	— — —		
			Total - - - £.	249	4	—	253	70	183	—	—	—	—	—	—	Casual repairs, supplies, &c.
	28 July "	3 Aug. "	{ Engines and Engineers' Fittings. Boilers and Engineers' Fittings. Engineers' Stores -	— — 59	1 1 —	— — —	1 1 59	— — 7	1 1 52	— — —	— — —	— — —	— — —	— — —	— — —	
			Total - - - £.	59	2	—	61	7	54	—	—	—	—	—	—	
	- On the 6th Oct. 1874 -		{ Rigging and Stores - Rigging and Stores - Engineers' Stores -	60 162 59	— — —	— — —	60 162 59	— — —	60 162 59	— — —	— — —	— — —	— — —	— — —	— — —	Supplies.
	- On the 27th Jan. 1875 -															- ditto.
	TOTAL - - -			{ Hull - Masts and Yards - Rigging and Stores - TOTAL - - - £.	2,958 144 6,792 9,894	1,099 40 106 1,245	— — — —	4,057 184 6,898 11,139	2,055 4 2,138 4,197	2,002 180 4,760 6,942	— — — —	— — — —	— — — —	— — — —	— — — —	See Abstract (p. 590).
				{ Engines and Engineers' Fittings. Boilers and Engineers' Fittings. Engineers' Stores - TOTAL - - - £.	38 14 1,180 1,232	78 15 — 93	— — — —	116 29 1,180 1,325	13 — 26 39	103 29 1,154 1,286	— — — —	— — — —	— — — —	— — — —	— — — —	

NOT IRON CLAD:

IN COMMISSION:

[illegible]

MALTA NAVAL YARD.—No. 4.—DETAILED SHIP ACCOUNT—continued.

No. 2.—WEAR AND TEAR AND MAINTENANCE OF THE FLEET, IN COMMISSION AND IN RESERVE, including REPAIRS, REFITS, ALTERATIONS, &c.—continued.

NAME OF SHIP.	Number of Guns.	Horse Power.	Tonnage.	PERIODS within which the Expense was incurred.		Detailed Head of Charge.	Value of Materials Issued.	Wages.	Payments to Con- tractors, &c. Made and Allowed at Admiralty.	Gross Total, excluding Incidental and Estab- lishment Charges.	Value of Materials Returned.	Net Total, excluding Incidental and Estab- lishment Charges.	Incidental and Estab- lishment Charges.	Total Expense, inclusive of Incidental and Estab- lishment Charges.	REMARKS.	
				From	To											
NOT IRON CLAD—continued.																
IN COMMISSION—continued.																
AZOV	-	-	94	14 Aug. 1874	20 Aug. 1874	{ Hull - - - Rigging and Stores	£. 22 14	3 —	— —	25 14	18 —	7 14	-	-	Casual repairs, supplies, &c.	
	-	-	-	-	-	Total - - - £.	86	3	—	39	18	21	-	-	-	
	-	-	-	-	-	Rigging and Stores	2	—	—	2	1	1	-	-	Supplies and returns.	
	-	-	-	-	-	{ Hull - - - Rigging and Stores	5 79	8 2	— —	13 81	— —	13 81	-	-	Slight repairs, supplies, and returns.	
-	-	-	-	-	-	Total - - - £.	84	10	—	94	—	94	-	-	-	
BITTERN	-	160 (854)	668 (774)	15 June 1874	10 Oct. 1874	{ Hull - - - Masts and Yards - Rigging and Stores	477 208 1,446	579 99 61	— — —	1,056 307 1,507	69 14 417	987 293 1,090	-	-	Refitted for sea; supplies, returns, &c.	
	-	-	-	-	-	Total - - - £.	2,131	739	—	2,870	500	2,370	-	-	-	
	-	-	-	-	-	Engines and Engineers' Fittings.	20	115	—	135	49	86	-	-	-	
	-	-	-	-	-	Boilers and Engineers' Fittings.	599	768	—	1,367	252	1,115	-	-	-	
	-	-	-	-	-	Engineers' Stores -	153	—	—	153	50	103	-	-	-	
	-	-	-	-	-	Total - - - £.	772	883	—	1,655	351	1,304	-	-	Supplies.	
	-	-	-	-	-	Engineers' Stores -	13	—	—	13	—	13	-	-	-	
	-	-	-	-	-	Rigging and Stores	61	—	—	61	3	58	-	-	-	
	-	-	-	-	-	Boilers and Engineers' Fittings.	4	—	—	4	—	4	-	-	Supplies and returns.	
	-	-	-	-	-	Engineers' Stores -	59	—	—	59	—	59	-	-	-	
-	-	-	-	-	-	Total - - - £.	63	—	—	63	—	63	-	-	-	

COCKATRICE	2	60 (233)	269 (390)	22 Feb. 1875	20 Mar. 1875	Hull - - -	56	80	-	136	3	133	Casual repairs, supplies, and returns.
						Rigging and Stores -	13	15	-	28	114	86	
						Total - - - £.	69	95	-	164	117	47	
						Engines and Engineers' Fittings. Boilers and Engineers' Fittings. Engineers' Stores -	18 16 -	18 7 -	- - -	30 23 -	- - 8	36 23 8	
COLUMBINE	3	150 (598)	672 (913)	24 Mar. 1874	28 Mar. 1874	Total - - - £.	34	25	-	59	8	51	Slight repairs, supplies, and returns.
						Hull - - -	3	8	-	11	-	11	
						Rigging and Stores -	138	-	-	128	72	56	
						Total - - - £.	131	8	-	139	72	67	
COQUETTE	4	60 (406)	295 (430)	19 Dec. "	11 Mar. 1875	Engineers' Stores -	12	-	-	12	5	7	Refitted for Sea. Paid Off on 28th February, and Re-commissioned 1st March 1875.
						Hull - - -	265	274	-	539	49	490	
						Masts and Yards -	25	34	-	59	-	59	
						Rigging and Stores -	487	46	-	533	174	359	
CRUISER	4	752 (966)	9 Sept. "	20 Feb. 1875	20 Feb. 1875	Total - - - £.	777	354	-	1,131	223	908	Casual repairs, supplies, and returns.
						Engines and Engineers' Fittings. Boilers and Engineers' Fittings. Engineers' Stores -	28 126 51	139 210 -	- - -	167 336 51	9 16 5	158 320 46	
						Total - - - £.	205	349	-	554	30	524	
						Hull - - -	112	103	-	215	19	196	
COQUETTE	4	752 (966)	4 April "	8 June 1874	8 June 1874	Masts and Yards -	16	9	-	25	-	25	- ditto - ditto.
						Rigging and Stores -	250	4	-	254	42	212	
						Total - - - £.	378	116	-	494	61	433	
						Hull - - -	12	16	-	28	-	28	
COQUETTE	4	752 (966)	20 July "	4 Aug. "	4 Aug. "	Masts and Yards -	1	2	-	3	-	3	- ditto - ditto.
						Rigging and Stores -	152	-	-	152	51	101	
						Total - - - £.	165	18	-	183	51	132	
						Hull - - -	87	108	-	195	7	188	
COQUETTE	4	752 (966)	9 Sept. "	20 Feb. 1875	20 Feb. 1875	Masts and Yards -	6	5	-	11	-	11	- ditto - ditto.
						Rigging and Stores -	521	10	-	531	85	446	
						Total - - - £.	614	123	-	737	92	645	
						Hull - - -	12	16	-	28	-	28	

HART	4	120 (608)	464 (584)	23 Mar. 1874	16 April 1874	Hull - - - £.	134	157	-	281	33	248
						Masts and Yards - -	-	2	-	2	-	2
						Rigging and Stores -	1,713	10	-	1,723	44	1,079
						Total - - - £.	1,837	169	-	2,006	77	1,929
				- On the 7th Aug. 1874 -		Engines and Engineers' Fittings.	40	25	-	65	8	57
						Boilers and Engineers' Fittings.	119	84	-	203	23	180
						Engineers' Stores -	443	-	-	443	1	442
						Total - - - £.	602	109	-	711	32	679
						Rigging and Stores -	33	-	-	33	-	33
						Hull - - -	867	830	-	1,697	126	1,571
						Masts and Yards -	2	15	-	17	-	17
						Rigging and Stores -	486	58	-	544	80	464
				23 Mar. 1874	3 July 1874	Total - - - £.	1,355	903	-	2,258	206	2,052
						Engines and Engineers' Fittings.	174	333	-	507	36	471
						Boilers and Engineers' Fittings.	2,133	385	-	2,518	1,462	1,056
						Engineers' Stores -	500	-	-	500	-	500
						Total - - - £.	2,807	718	-	3,525	1,498	2,027
						Hull - - -	32	27	-	59	-	59
						Rigging and Stores -	120	-	-	120	7	113
						Total - - - £.	152	27	-	179	7	172
				23 July "	10 Aug. "	Engines and Engineers' Fittings.	12	24	-	36	-	36
						Boilers and Engineers' Fittings.	776	105	-	881	729	152
						Engineers' Stores -	74	-	-	74	22	52
						Total - - - £.	862	129	-	991	751	240
				20 Oct. "	16 Feb. 1875	Hull - - -	74	129	-	203	-	203
						Rigging and Stores -	414	4	-	418	123	295
						Total - - - £.	488	133	-	621	123	498
						Engines and Engineers' Fittings.	6	17	-	23	-	23
						Engineers' Stores -	131	-	-	131	9	122
						Total - - - £.	137	17	-	154	9	145

Refitting for Re-commission.
Re-commissioned in February 1874.

Casual supplies.

Refitting for Re-commission,
including Building
of forecastle, and New
Boilers. Re-commissioned
in February 1874.Casual repairs, fitted Tubes
to Boilers, supplies, and
returns.Casual repairs, supplies,
returns, &c.

O.1.

4 F 2

NAME	No.	Date	683 (774)	100 (582)	31 Oct. "	Hull - Masts and Yards - Rigging and Stores -	6 1 11	11 1 1	17 2 12	17 2 12	17 2 10	ditto - ditto.
LAWING	9	24 Oct. "				Total - - - £.	18	13	31	2	29	
MODESTE	14	On the 23rd March 1874	1,405 (4,934)	850 (2,477)		Hull - Masts and Yards - Rigging and Stores -	7 3 39	1 -- --	8 3 39	-- -- 1	8 3 38	
NARCISSUS	28	5 May 1874	2,065 (3,548)	400 (1,731)	6 May 1874	Hull - Rigging and Stores -	3 --	2 --	5 --	-- 341	5 3/4	Slight repairs and returns.
PIGEON	2	On the 24th April 1874	268 (330)	60 (244)	On the 24th April 1874	Engineers' Stores -	12	--	12	--	12	Casual supplies.
RAPID	3	On the 3rd Aug. 1874	672 (943)	150 (460)	On the 3rd Aug. 1874	Rigging and Stores -	17	--	17	--	17	
RIVALDO	7	On the 6th Oct. 1874	209 (752)	351 (1,365)	On the 6th Oct. 1874	Rigging and Stores -	135	--	135	--	135	
		25 Jan. 1875			20 Mar. 1875	Hull - Masts and Yards - Rigging and Stores -	1,230 148 1,893	304 34 6	1,584 182 1,899	503 11 1,921	1,029 171 22	Repairing and refitting for Re-commission.
		11 May 1874			16 May 1874	Engineers and Engineers' Fittings. Boilers and Engineers' Fittings. Engineers' Stores -	1 19 --	2 102 --	3 121 --	-- 351 190	3 230 490	
		11 May 1874			16 May 1874	Hull - Masts and Yards - Rigging and Stores -	4 34 13	3 9 --	7 43 13	-- 1 --	7 43 12	Slight repairs; made Main- yard; supplies, &c.
						Total - - - £.	3,271	344	3,615	2,437	1,178	
						Total - - - £.	4	3	7	--	7	
						Total - - - £.	51	12	63	1	62	
						Engineers' Stores -	3	--	3	--	3	

MALTA NAVAL YARD.—No. 4.—DETAILED SHIP ACCOUNT—continued.

No. 2.—WEAR AND TEAR AND MAINTENANCE OF THE FLEET, IN COMMISSION AND IN RESERVE, including REPAIRS, REFITS, ALTERATIONS, &c.—continued.

NAME OF SHIP.	Number of Guns.	Horse Power.	Tonnage.	PERIODS within which the Expense was incurred.		Detailed Head of Charge.	Value of Materials Issued.	Wages.	Payments to Con- tractors, &c. Made and Allowed at Admiralty.	Gross Total, excluding Incidental and Estab- lishment Charges.	Value of Materials Returned.	Net Total, excluding Incidental and Estab- lishment Charges.	Incidental and Estab- lishment Charges.	Total Expense, inclusive of Incidental and Estab- lishment Charges.	REMARKS.
				From	To										
NOT IRON CLAD—continued.															
IN COMMISSION—continued.															
SALAMIS -	2	250 (1,440)	835 (985)	16 April 1874	23 April 1874	{ Rigging and Stores Engineers' Stores	19	—	—	19	51	54	—	—	Supplies and returns.
SHEARWATER -	4	150 (532)	669 (912)	- On the 1st July 1874	-	Rigging and Stores	—	—	—	—	4	4	—	—	Casual returns.
				- On the 1st April 1874	-	Engineers' Stores -	2	—	—	2	—	2	—	—	Casual supplies.
STEAM CUTTER, No. 12 (Attached to "Antelope.")	-	3	7	25 Feb. 1875	8 Mar. 1875	{ Engines and Engineers' Fittings. Boilers and Engineers' Fittings.	1 1	11 5	—	12 6	—	12 6	—	—	Casual repairs.
						Total - - - £.	2	16	—	18	—	18	—	—	
STEAM CUTTER, No. 23 (Attached to "Audacious.")	-	2½	4	17 Nov. 1874	21 Nov. 1874	Hull - - -	—	2	—	2	—	2	—	—	Slight repair.
STEAM CUTTER, No. 36 (Attached to "Vigilant.")	-	2½	-	13 Oct. "	16 Oct. "	Hull - - -	1	2	—	3	—	3	—	—	- ditto.
STEAM PINNACE, No. 18. (Attached to "Invincible.")	-	6	13	5 Nov. "	7 Nov. "	{ Hull - - - Boilers and Engineers' Fittings.	7 1	— 2	—	7 3	—	7 3	—	—	- ditto.
STEAM PINNACE, No. 24. (Attached to "Lord Warden.")	-	6	13	- On the 4th August 1874	-	Hull - - -	4	—	—	4	—	4	—	—	- ditto.
				- On the 28th April 1874	-	Engineers' Stores	1	—	—	1	—	1	—	—	Casual supplies.
STEAM PINNACE, No. 32. (Attached to "Swiftsure.")	-	6	13	3 June 1874	6 June 1874	Engines and Engineers' Fittings.	—	2	—	2	—	2	—	—	Slight repairs.

[illegible]

MALTA NAVAL YARD.—No. 4.—DETAILED SHIP ACCOUNT—continued.

No. 2.—WEAR AND TEAR AND MAINTENANCE OF THE FLEET, IN COMMISSION AND IN RESERVE, including REPAIRS, REFITS, ALTERATIONS, &c.—continued.

NAME OF SHIP.	Number of Guns.	Horse Power.	Tonnage.	PERIODS within which the Expense was incurred.		Detailed Head of Charge.	Value of Materials Issued.	Wages.	Payments to Con- tractors, &c. Made and Allowed at Admiralty.	Gross Total, excluding Incidental and Establish- ment Charges.	Value of Materials Returned.	Net Total, excluding Incidental and Establish- ment Charges.	Incidental and Estab- lishment Charges.	Total Expense, inclusive of Incidental and Estab- lishment Charges.	REMARKS.	
				From	To											
NOT IRON CLAD—continued.																
IN COMMISSION—continued.																
VIGILANT	- 2	250 (1,815)	835 (985)	13 Oct. 1874	29 Oct. 1874	Hull - - - Rigging and Stores - Total - - - £.	£. 41 22 63	£. 29 — 29	£. — — —	£. 70 22 92	£. 16 9 25	£. 54 13 67	£.	£.	Casual repairs, supplies, and returns.	
				On the 23rd Nov. 1874		Engines and Engineers' Fittings, Stores - Total - - - £.	29 20 49	65 — 65	— — —	94 20 114	1 — 1	93 20 113	£.	£.	Small supplies.	
				1 April 1874	2 April 1874	Hull - - - Rigging and Stores - Total - - - £.	30 14 44	9 — 9	— — —	39 14 53	19 5 24	20 9 29	£.	£.	Slight repairs, supplies, and returns.	
				1 June "	12 June "	Hull - - - Rigging and Stores - Total - - - £.	4 36 40	5 5 10	— — —	9 41 50	4 17 21	5 24 29	£.	£.	Casual repairs, supplies, and returns.	
						Boilers and Engineers' Fittings, Stores - Total - - - £.	2 174 176	16 — 16	— — —	18 174 192	— — —	18 174 192	£.	£.	Casual supplies and re- turns.	
				27 June "	13 July "	Rigging and Stores - Engineers' Stores -	11 12	— —	— —	11 12	— 112	11 100	£.	£.		

WIZARD	2	60 (201)	270 (330)	23 Oct. "	24 Oct. "	16 Jan. 1875	Hull - - - -	7	6	-	13	-	13	Slight repairs, casual supplies, and returns.
							Rigging and Stores	57	-	-	57	8	49	
							Total - - - £.	64	6	-	70	8	62	
							Engineers' Stores -	16	-	-	16	-	16	
							Hull - - - -	69	42	-	111	33	78	
							Masts and Yards	-	1	-	1	-	1	
							Rigging and Stores	168	3	-	171	73	98	
							Total - - - £.	237	46	-	283	106	177	
							Engines and Engineers' Fittings.	4	13	-	17	2	15	
							Boilers and Engineers' Fittings.	7	18	-	25	1	24	
WOLVERENE	17	400 (1,320)	1,703 (2,431)	10 Feb. 1875	1 Mar. "	On the 28th March 1874	Hull - - - -	15	11	-	26	-	26	Slight repairs, casual supplies, and returns.
							Rigging and Stores	33	-	-	33	2	31	
							Total - - - £.	48	11	-	59	2	57	
							Engineers' Stores -	23	-	-	23	-	23	
							Hull - - - -	12	20	-	32	-	32	
							Rigging and Stores	24	-	-	24	7	17	
							Total - - - £.	36	20	-	56	7	49	
							Hull - - - -	6,662	4,422	-	11,084	3,288	7,796	
							Masts and Yards	689	298	-	987	29	968	
							Rigging and Stores	12,671	945	-	13,616	4,934	8,082	
				TOTAL			Total - - - £.	20,022	5,065	-	25,087	8,251	16,836	See Abstract (p. 590).
							Engines and Engineers' Fittings.	534	1,108	-	1,692	199	1,493	
							Boilers and Engineers' Fittings.	3,934	2,126	2,740	8,800	3,345	5,455	
							Engineers' Stores -	2,199	-	-	2,199	459	1,740	
							TOTAL - - - £.	6,717	3,234	2,740	12,691	4,003	8,688	

No. 4.—STEAM TUGS, YARD CRAFT, COAL DEPÔTS, &c., BUILDING, FITTING, REFITTING, &c.

Yard to which the Craft is Attached.	Name and Description of Yard Craft.	Horse Power.	Tonnage.	PERIODS within which the Expense was incurred.		Value of Materials Issued.	Wages.	Payments Gross Total, to Contractors, &c. Made and Allowed at Admiralty.	Gross Total, excluding Incidentals and Establishment Charges.	Value of Materials Returned.	Net Total, excluding Incidentals and Establishment Charges.	Incidental and Establishment Charges.	Total Expense, inclusive of Incidentals and Establishment Charges.	REMARKS.
				From	To									
MALTA	HEARTY - (Steam Tug.)	100 (379)	221 (—)	16 April 1874 30 April 1874		£. 1 12 13	£. 4 — 4	£. — — —	£. 5 12 17	£. — 1 1	£. 5 11 16	£.	£.	
				Hull - Rigging and Stores										
				Total - - - £.										
				Boilers and Engineers' Fittings. Engineers' Stores		15 13 28	45 — 45	— — —	60 13 73 1/2	— — —	60 13 73			Casual repairs, supplies, and returns.
				Hull - Rigging and Stores		1 2 3	4 — 4	— — —	5 2 7	— — —	5 2 7			Slight repairs and supplies.
				Total - - - £.										
				Hull -		2	7	—	9	—	9			Slight repairs.
				Hull - Engineers' Stores		5 6	— —	— —	5 6	— —	5 6			Slight repairs and supplies.
				Rigging and Stores		1	—	—	1	—	1			Casual supplies.
				Engineers' Stores -		7	—	—	7	—	7			
				Hull -		2	—	—	2	—	2			
				Hull -		—	1	—	1	—	1			Repairing Davit.
				Engineers' Stores -		7	—	—	7	—	7			Casual supplies.
				Hull -		5	6	—	11	—	11			
				Engines and Engineers' Fittings. Boilers and Engineers' Fittings. Total - - - £.		8 — 8	12 1 13	— — —	20 1 21	2* — 2	18 1 19			Slight repairs, &c.

1 Feb. "	19 Feb. "	Rigging and Stores -	3	-	-	3	-	-	3	-	-	3	Slight repairs, supplies, &c.
		Boilers and Engineers' Fittings, Engineers' Stores -	-	3	-	3	-	-	3	-	-	3	
		Total - - - £.	6	3	-	9	-	-	9	-	-	9	
16 April 1874	29 May 1874	Engineers' Stores -	3	-	-	3	-	-	3	-	-	3	
		Hull - - -	2	2	-	4	-	-	4	-	-	4	
1 July "	29 Aug. "	Engines and Engineers' Fittings, Boilers and Engineers' Fittings, Engineers' Stores -	-	4	-	4	-	-	4	-	-	4	
		Total - - - £.	9	12	-	21	-	-	21	-	-	21	
4 Sept. "	23 Oct. "	Hull - - -	2	-	-	2	-	-	2	-	-	2	
		Rigging and Stores -	3	-	-	3	-	-	3	-	-	3	
		Total - - - £.	5	-	-	5	-	-	5	-	-	5	
2 Nov. "	19 Dec. "	Engineers' Stores -	3	-	-	3	-	-	3	-	-	3	
		Engineers' Stores -	3	-	-	3	-	-	3	-	-	3	
		Rigging and Stores -	2	-	-	2	-	-	2	-	-	2	
6 Jan. 1875	1 Mar. 1875	Boilers and Engineers' Fittings, Engineers' Stores -	-	1	-	1	-	-	1	-	-	1	
		Total - - - £.	4	1	-	5	-	-	5	-	-	5	
17 April 1874	18 July 1874	Hull - - -	2	1	-	3	-	-	3	-	-	3	
		Rigging and Stores -	11	-	-	11	-	-	11	-	-	11	
		Total - - - £.	13	1	-	14	-	-	14	-	-	14	
11 Aug. "	23 Nov. "	Hull - - -	69	26	-	95	-	-	95	-	-	95	
		Rigging and Stores -	4	-	-	4	-	-	4	-	-	4	
		Total - - - £.	73	26	-	99	-	-	99	-	-	99	
19 Dec. "	1 Mar. 1875	Hull - - -	6	11	-	17	-	-	17	-	-	17	
		Rigging and Stores -	70	2	-	72	-	-	72	-	-	66	
		Total - - - £.	76	13	-	89	-	-	89	-	-	83	

No. 1. (Tank Vessel, No. 1.)

STEAM LAUNCH,
No. 17.MALTA—
continued.

MALTA NAVAL YARD.—No. 4.—DETAILED SHIP ACCOUNT—continued.

No. 4.—STEAM TUGS, YARD CRAFT, COAL DEPÔTS, &c., BUILDING, FITTING, REFITTING, &c.—continued.

Yard to which the Craft is Attached.	Name and Description of Yard Craft.	Horse Power.	Tonnage.	PERIODS within which the Expense was incurred.		Detailed Head of Charge.	Value of Materials Issued.	Wages.	Payments to Contractors, &c. Made and Allowed at Admiralty.	Gross Total, excluding Incidentals and Establishment Charges.	Value of Materials Returned.	Net Total, excluding Incidentals and Establishment Charges.	Incidental and Establishment Charges.	Total Expense, inclusive of Incidentals and Establishment Charges.	REMARKS.
				From	To										
	No. 2. (Tank Vessel, No. 2.)	—	58	1 July 1874	17 Oct. 1874	Hull - - - -	£. 20	£. 39	£. —	£. 59	£. —	£. 59	£. —	£. —	Casual repairs.
				- On the 2nd Feb. 1875 -		Hull - - - -	—	1	—	1	—	1	—	—	
				16 April 1874	19 Sept. 1874	Hull - - - -	—	6	—	6	—	6	—	—	
						Rigging and Stores	6	—	—	6	—	6	—	—	
	No. 3. (Moor-ing Lighter.)	—	235	26 Sept. "	27 Nov. "	Hull - - - -	41	17	—	58	45	13	—	—	Casual repairs, supplies, &c.
				12 Dec. "	29 Jan. "	Hull - - - -	—	—	—	—	11	44	—	—	
				On the 20th March 1875		Hull - - - -	1	—	—	1	—	1	—	—	
				22 April 1874	20 Mar. 1875	Hull - - - -	1	8	—	9	—	9	—	—	
	No. 4. (Moor-ing Lighter.)	—	102	9 April "	20 Mar. "	Hull - - - -	4	16	—	20	—	20	—	—	Slight repairs.
				22 April "	5 Mar. "	Hull - - - -	5	13	—	18	—	18	—	—	
				23 May "	10 Feb. "	Hull - - - -	1	6	—	7	—	7	—	—	
				9 May "	10 Feb. "	Hull - - - -	1	5	—	6	—	6	—	—	
	No. 5. (Moor-ing Lighter.)	—	119	17 Aug. "	29 Aug. 1874	Hull - - - -	9	6	—	15	—	15	—	—	ditto.
	No. 6. (Crane Lighter.)	—	106												ditto.
	No. 7. (Iron Lighter.)	—	49												ditto.
	No. 8. (Iron Lighter.)	—	49												ditto.
	No. 11. (Coal Pontoon, No. 1.)	—	57												ditto.

MALTA—continued.

[illegible]

MALTA—
continued.

MALTA NAVAL YARD.—No. 4.—DETAILED SHIP ACCOUNT—*continued.*

ABSTRACT.

S E R V I C E.	Page.	DESCRIPTION.	Detailed Head of Charge.	Value of Materials Issued.	Wages.	Payments to Contractors, &c. Made and Allowed at Admiralty.	Gross Total, excluding Incidentals and Establishment Charges.	Value of Materials Returned.	Not Total, excluding Incidentals and Establishment Charges.	Incidental and Establishment Charges.	Total Expense, inclusive of Incidentals and Establishment Charges.
No. 2.—Wear and Tear and Maintenance of the Fleet, in Commission and in Reserve, including Repairs, Refits, Alterations, Works rendered necessary by New Armaments, and the Renewal of Worn-out and Perishable Stores, such as Rigging, Rope, Sails, Blocks, &c. :— In Commission	571	Iron Clads built by Contract	Hull Masts and Yards Rigging and Stores Engines and Engineers' Fittings Boilers and Engineers' Fittings Engineers' Stores TOTAL	£. 681 217 5,030 62 82 844 7,526	£. 544 29 16 145 224 — 958	£. — — — — — — —	£. 1,175 246 5,706 207 306 844 8,484	£. 18 — 1,541 3 8 28 1,598	£. 1,157 246 4,165 204 298 816 6,886	£. — — 3,163 — — — —	£. — — 10,049 — — — —
	574	Iron Clads built in Her Majesty's Dockyards	Hull Masts and Yards Rigging and Stores Engines and Engineers' Fittings Boilers and Engineers' Fittings Engineers' Stores TOTAL	£. 2,958 144 6,792 38 14 1,180 11,126	£. 1,099 40 106 78 15 — 1,338	£. — — — — — — —	£. 4,057 184 6,898 116 29 1,180 12,464	£. 2,055 4 2,138 13 — 26 4,236	£. 2,002 180 4,760 103 29 1,154 8,228	£. — — 4,806 — — — —	£. — — 13,034 — — — —
	585	Not Iron Clad	Hull Masts and Yards Rigging and Stores Engines and Engineers' Fittings Boilers and Engineers' Fittings Engineers' Stores TOTAL	£. 6,662 689 12,671 584 3,934 2,199 26,739	£. 4,422 298 345 1,108 2,126 — 8,299	£. — — — — 2,740 — 2,740	£. 11,084 987 13,016 1,692 8,800 2,199 37,778	£. 3,388 29 4,934 199 3,455 459 12,254	£. 7,796 958 8,082 1,493 8,345 1,740 25,524	£. — — 21,476 — — — —	£. — — 47,000 — — — —
	589	Steam Tugs, Yard Craft, Coal Depôts, &c., Building, Fitting, Refitting, &c.	Hull Masts and Yards Rigging and Stores Engines and Engineers' Fittings Boilers and Engineers' Fittings Engineers' Stores TOTAL	£. 232 114 8 21 55 430	£. 226 2 16 58 — 302	£. — — — — — —	£. 458 116 24 79 55 732	£. 74 7 2 — — 83	£. 384 109 22 79 55 649	£. — — 648 — — — —	£. — — 1,297 — — — —
GRAND TOTAL											
				£. 10,483 1,050 25,267 692 4,051 4,278 45,821	£. 6,291 367 469 1,347 2,423 — 10,897	£. — — — — 2,740 — 2,740	£. 10,774 1,417 25,736 2,039 9,214 4,278 59,458	£. 5,435 33 8,630 217 3,363 513 18,171	£. 11,339 1,384 17,116 1,822 5,861 3,765 41,287	£. — — 30,093 — — — —	£. — — 71,380 — — — —

SHANGHAI NAVAL YARD.

DETAILED SHIP ACCOUNT, showing the Amount of WAGES Paid, the Value of MATERIALS Issued and Returned, &c., on account of each Ship and Vessel appearing under the various Sub-Heads of SHIPS Building, Repairing, &c., during the Year ended 20th March 1875.

No. 2.—WEAR AND TEAR AND MAINTENANCE OF THE FLEET, IN COMMISSION AND IN RESERVE, including REPAIRS, REFITS, ALTERATIONS, WORKS rendered necessary by NEW ARMAMENTS, and the RENEWAL of WORN-OUT and PERISHABLE STORES, such as RIGGING, ROPE, SAILS, BLOCKS, &c.

Note.—The Figures printed in *Italics* in the Money Columns show the Amount of Net Credits for Stores, &c. returned.

NAME OF SHIP.	Number of Guns.	Horse Power.	Tonnage.	PERIODS within which the Expense was incurred.		Detailed Head of Charge.	Value of Materials Issued.	Wages.	Payments to Contractors, &c. Made and Allowed at Admiralty.	Gross Total, excluding Incidentals and Establishment Charges.	Value of Materials Returned.	Net Total, excluding Incidentals and Establishment Charges.	Incidental and Establishment Charges.	Total Expense, inclusive of Incidentals and Establishment Charges.	REMARKS.
				From	To										
IRON CLADS BUILT IN HER MAJESTY'S DOCKYARDS:															
IN COMMISSION:															
IRON DUKE	- 14	800 (4,268)	3,787 (6,084)	1 April 1874	31 Mar. 1875	{ Rigging and Stores Engineers' Stores -	£. 6 5	£. — —	£. — —	£. 6 5	£. — —	£. 6 5	£. — —	£. — —	Casual supplies.
NOT IRON CLAD:															
IN COMMISSION:															
CADMUS	- 17	400 (1,581)	1,466 (2,187)	1 April	31 Mar. "	{ Rigging and Stores Engineers' Stores -	55 7	— —	— —	55 7	92 —	23 7	— —	— —	ditto.
CURLEW	- 3	160 (811)	665 (774)	1 April	31 Mar. "	Rigging and Stores	29	— —	— —	29	3	26	— —	— —	ditto.
DWARF	- 4	120 (495)	465 (584)	1 April	31 Mar. "	Rigging and Stores	6	— —	— —	6	8	2	— —	— —	ditto.
BLK	- 4	120 (472)	465 (584)	1 April	31 Mar. "	{ Hull Rigging and Stores Total - - - £.	28 14 42 18	9 — 9	— — —	37 14 51 18	2 23 25 —	35 9 26 18	— — —	— — —	Casual repairs and supplies.
FROLIC	- 4	100 (896)	462 (592)	1 April	31 Mar. "	{ Hull Rigging and Stores Total - - - £.	3 21 24 4	2 — 2	— — —	5 21 26 4	— 3 3 —	5 18 23 4	— — —	— — —	ditto.

	4	120 (506)	404 (584)	1 April "	31 Mar. "	{ Rigging and Stores Engineers' Stores -	25	--	--	25	5	20	Casual supplies.
HORNET . . .	-	-	-	1 April "	31 Mar. "	{ Rigging and Stores Engineers' Stores -	5	--	--	5	--	5	-
MIDGE . . .	-	-	-	1 April "	31 Mar. "	{ Rigging and Stores Engineers' Stores -	48	--	--	48	6	42	- ditto.
MODESTE . . .	-	-	-	1 April "	31 Mar. "	{ Rigging and Stores Engineers' Stores -	26	--	--	26	9	29	- ditto.
MOSQUITO . . .	-	-	-	1 April "	31 Mar. "	{ Rigging and Stores Engineers' Stores -	2	--	--	2	12	10	- ditto.
RINGDOVE . . .	-	-	-	1 April "	31 Mar. "	{ Rigging and Stores Engineers' Stores -	10	--	--	10	64	54	- ditto.
SWINGER . . .	-	-	-	1 April "	31 Mar. "	{ Rigging and Stores Engineers' Stores -	14	--	--	14	11	3	- ditto.
THISTLE . . .	-	-	-	1 April "	31 Mar. "	{ Rigging and Stores Engineers' Stores -	25	--	--	25	44	17	- ditto.
TOTAL . . .	-	-	-	1 April "	31 Mar. "	{ Hull - Rigging and Stores Total - - - £. Engineers' Stores -	18	--	--	18	8	10	-
	-	-	-	1 April "	31 Mar. "	{ Hull - Rigging and Stores TOTAL - - - £. Engineers' Stores	33	13	--	46	2	44	-
	-	-	-	1 April "	31 Mar. "	{ Hull - Rigging and Stores TOTAL - - - £. Engineers' Stores	273	--	--	273	268	7	-
	-	-	-	1 April "	31 Mar. "	{ Hull - Rigging and Stores TOTAL - - - £. Engineers' Stores	306	13	--	319	268	51	- See Abstract (p. 524).
	-	-	-	1 April "	31 Mar. "	{ Hull - Rigging and Stores TOTAL - - - £. Engineers' Stores	74	--	--	74	47	27	-

See Abstract (p. 524).

TOTAL - - -

A B S T R A C T.

S E R V I C E.	Page.	DESCRIPTION.	Detailed Head of Charge.	Value of Materials Issued.	Wages.	Payments to Con- tractors, &c. Made and Allowed at Admiralty.	Gross Total, excluding Incidental and Establish- ment Charges.	Value of Materials Returned.	Net Total, excluding Incidental and Establish- ment Charges.	Incidental and Establishment Charges.	Total Expense, inclusive of Incidental and Estab- lishment Charges.
No. 2.—Wear and Tear and Maintenance of the Fleet, in Commission and in Reserve, including Repairs, Refits, Alterations, Works rendered necessary by New Armaments, and the Renewal of Worn-out and Perishable Stores, such as Rigging, Rope, Sails, Blocks, &c. :— In Commission - - - -	592	Iron Clads built in Her Majesty's Dockyards -	<div>Rigging and Stores - - - - £. 6</div> <div>Engineers' Stores - - - - 5</div> <div>TOTAL - - - - £. 11</div>								
	593	Not Iron Clad - - - -	<div>Hull - - - - 13</div> <div>Rigging and Stores - - - - 273</div> <div>Engineers' Stores - - - - 74</div> <div>TOTAL - - - - £. 380</div>								
			<div>Hull - - - - 13</div> <div>Rigging and Stores - - - - 279</div> <div>Engineers' Stores - - - - 79</div> <div>GRAND TOTAL - - - - £. 391</div>								
			<div>Hull - - - - 13</div> <div>Rigging and Stores - - - - 279</div> <div>Engineers' Stores - - - - 79</div> <div>GRAND TOTAL - - - - £. 391</div>								

SYDNEY NAVAL ESTABLISHMENT.

NO. 2.—WEAR AND TEAR AND MAINTENANCE OF THE FLEET, IN COMMISSION AND IN RESERVE, including REPAIRS, REFITS, ALTERATIONS, WORKS rendered necessary by NEW ARMAMENTS, and the RENEWAL of WORN-OUT and PERISHABLE STORES, such as RIGGING, ROPES, SAILS, BLOCKS, &c.

NAME OF SHIP.	PERIODS within which the Expense was incurred.		Tonnage.	Horse Power.		Detailed Head of Charge.	Value of Materials Issued.	Wages.	Payments to Contractors,&c. Made and Allowed at Admiralty.	Gross Total, excluding Incidental and Establishment Charges.	Value of Materials Returned.	Net Total, excluding Incidental and Establishment Charges.	Incidental and Estab- lishment Charges.	Total Expense, inclusive of Incidental and Establishment Charges.	R E M A R K S .
	From	To													
NOT IRON CLAD :															
I N C O M M I S S I O N :—															
A D V E N T U R E - - 2	- On the 4th Nov. 1874 -	On the 4th Nov. 1874 -	1,794 (£2,510)	400 (1,227)		{ Rigging and Stores Engineers' Stores }	£. 9 —	£. — —	£. — —	£. 9 —	£. — 1	£. 9 1	£. — } Casual supplies.	£. — —	
	4 June 1874 10 June 1874					{ Hull — Masts and Yards — Rigging and Stores — Total £.	105 29 386 520	17 — — 17	— — — —	122 29 386 537	— — 31 31	122 29 355 506	— — } Repairs, refit, and supply of stores for further Service.	— — —	
	- On the 10th July 1874 -					{ Hull — Masts and Yards — Rigging and Stores — Total £.	20 5 6 31	— — — —	— — — —	20 5 6 31	5 1 1 7	15 4 5 24	— — } Casual supplies.	— — —	
	13 Feb. 1875 1 Mar. 1875					{ Hull — Masts and Yards — Rigging and Stores — Total £.	31 3 72 106	— — — —	— — — —	31 3 72 106	— — 11 11	31 3 61 95	— — } ditto.	— — —	
A L A C R I T Y - - 1	- On the 18th Mar. 1875 -					{ Hull — Rigging and Stores — Total £.	28 33 61	— — — —	— — — —	28 33 61	— 1 1	28 32 60	— — } Slight repairs on Re-commission in March 1875.	— — —	

[illegible]

DOCKYARD EXPENSE ACCOUNTS :—SHIP-BUILDING

No. 2.—WEAR AND TEAR AND MAINTENANCE OF THE FLEET, IN COMMISSION AND IN RESERVE, including REPAIRS, REFITS, ALTERATIONS, &c.—continued.

NAME OF SHIP.	PERIODS within which the Expense was incurred.		Tonnage.	Horse Power.	Number of Guns.	Detailed Head of Charge.	Value of Materials Issued.	Wages.	Payments to Con- tractors, &c. Made and Allowed at Admiralty.	Gross Total, excluding Incidental and Estab- lishment Charges.	Value of Materials Returned.	Net Total, excluding Incidental and Estab- lishment Charges.	Incidental and Estab- lishment Charges.	Total Expense, inclusive of Incidental and Estab- lishment Charges.	REMARKS.	
	From	To														
NOT IRON CLAD—continued.																
IN COMMISSION—continued.																
CHALLENGER -	4	400 (1,261)	1,462 (2,306)			20 April 1874 24 April 1874	Hull - - - Masts and Yards - - Rigging and Stores - Total - - - £.	£. 74 1 385 460	- - - -	£. 74 1 385 460	2 - 111 113	£. 72 1 274 347	- - - -	- - - -	Slight repairs and supplies. Employed on Deep Sea Exploratory Expedition.	
						- On the 30th April 1874 -	Engineers' Stores -	-	-	-	19	49	-	-		
							Hull - - - Masts and Yards - - Rigging and Stores - Total - - - £.	62 41 324 427	17 - - 17	79 41 324 444	- 6 50 56	79 35 274 388	- - - -	- - - -	Repairs, refit, and supply of Stores for further Service.	
CONFLICT -	1	-	120			10 Feb. 1875 23 Feb. 1875	Hull - - - Masts and Yards - - Rigging and Stores - Total - - - £.	27 1 96 124	- - - -	27 1 96 124	2 - 23 25	25 1 73 99	- - - -	- - - -	Casual supplies.	
						- On the 18th Mar. 1875 -	Rigging and Stores -	52	-	52	2	50	-	-	Supplies on Re-commission in March 1875.	
							Rigging and Stores -	90	-	90	21	69	-	-	Casual supplies.	
						- On the 23rd April 1874 -	Engines and Engineers' Fittings. Engineers' Stores -	- 12	- -	- 12	9 1	9 11	- -	- -		
							Total - - - £.	12	-	12	10	2	-	-		
DIDO -	8	350 (2,518)	1,277 (4,755)				Hull - - - Masts and Yards - - Rigging and Stores - Total - - - £.	11 40 357 408	- 11 - 11	11 51 357 419	- - 70 70	11 51 287 349	- - - -	- - - -	Slight repairs and casual supplies.	
						10 Dec. 1874 15 Dec. 1874	Engines and Engineers' Fittings. Engineers' Stores -	- 66	- -	- 66	50 2	50 64	- -	- -		
							Total - - - £.	66	-	66	52	14	-	-		

[illegible]

DOCKYARD EXPENSE ACCOUNTS:—SHIP-BUILDING

No. 2.—WEAR AND TEAR AND MAINTENANCE OF THE FLEET, IN COMMISSION AND IN RESERVE, including REPAIRS, REFITS, ALTERATIONS, &c.—continued.

NAME OF SHIP.	PERIODS within which the Expense was incurred.		Tonnage.	Horse Power.	Number of Guns.	Detailed Head of Charge.	Value of Materials Issued.	Wages.	Payments to Con- tractors,&c. Made and Allowed at Admiralty.	Gross Total, excluding Incidental and Estab- lishment Charges.	Value of Materials Returned.	Net Total, excluding Incidental and Estab- lishment Charges.	Incidental and Estab- lishment Charges.	Total Expense, inclusive of Incidental and Estab- lishment Charges.	REMARKS.
	From	To													
NOT IRON CLAD—continued.															
IN COMMISSION—continued.															
ROSARIO -	-	-	3	150 (436)	673 (945)	Masts and Yards - Hull - - - Rigging and Stores - Total - - - £.	£. 9 43 365 408	£. — 3 — 3	£. — — — —	£. 9 46 365 411	£. — — 80 80	£. 9 46 285 331	-	-	Casual supply.
		- On the 23rd Nov. 1874 -				Engines and Engineers' Fittings. Boilers and Engineers' Fittings. Engineers' Stores - Total - - - £.	1 5 56 62	- - - -	- - - -	1 5 56 62	- - - -	1 5 56 62	-	-	Slight repairs, and casual supplies, &c.
		- On the 6th June 1874 -				Hull - Rigging and Stores - Total - - - £.	28 177 205	- - -	- - -	28 177 205	7 7	28 170 198	-	-	ditto - ditto.
SANDELY -	-	-	1	-	120	Hull - Masts and Yards - Rigging and Stores - Total - - - £.	13 5 128 146	15 - - 15	- - - -	28 5 128 161	- - 23 23	28 5 105 138	-	-	ditto - ditto.
STEAM PINNACE, No. 40. (Attached to "Challenger.")	-	- On the 20th April 1874 -	-	6	13	Hull - Engineers' Stores -	6 2	- -	- -	6 2	- -	6 2	-	-	Casual supplies.
STEAM PINNACE, No. 42. (Attached to "Pearl.")	-	- On the 10th July 1874 -	-	4½	8	Hull - Masts and Yards - Rigging and Stores - TOTAL - - - £.	1,181 286 5,255 6,722	88 11 - 99	- - - -	1,269 297 5,255 6,821	62 12 1,139 1,213	1,207 285 4,116 5,608	-	-	ditto.
TOTAL - - -															
						Engines and Engineers' Fittings. Boilers and Engineers' Fittings. Engineers' Stores - TOTAL - - - £.	77 15 687 779	86 - - 86	- - - -	163 15 687 865	59 - 30 89	104 15 657 776	-	-	See Abstract (p. 601).

SYDNEY NAVAL ESTABLISHMENT.—No. 4.—DETAILED SHIP ACCOUNT—continued.

ABSTRACT.

SERVICE.	Page.	DESCRIPTION.	Detailed Head of Charge.	Value of Materials Issued.	Wages.	Payments to Contractors, &c. Made and Allowed at Admiralty.	Gross Total, excluding incidental and Establishment Charges.	Value of Materials Returned.	Net Total, excluding incidental and Establishment Charges.	Incidental and Establishment Charges.	Total Expense, inclusive of incidental and Establishment Charges.
No. 2.—Wear and Tear and Maintenance of the Fleet in Commission and in Reserve, including Repairs, Refits, Alterations, Works rendered necessary by New Armaments and the Renewal of Worn-out and Perishable Stores, such as Rigging, Rope, Sails, Blocks, &c.:— In Commission	600	-	Hull	£. 1,181	88	—	£. 1,269	62	£. 1,207	£.	£.
			Masts and Yards	286	11	—	297	12	285		
			Rigging and Stores	5,255	—	—	5,255	1,139	4,116		
			Engines and Engineers' Fittings	77	86	—	163	59	104	1,653	8,037
			Boilers and Engineers' Fittings	15	—	—	15	—	15		
			Engineers' Stores	687	—	—	687	30	657		
			GRAND TOTAL	£. 7,501	185	—	7,686	1,302	6,384		

TRINCOMALEE NAVAL YARD.

DETAILED SHIP ACCOUNT, showing the Amount of Wages Paid, the Value of MATERIALS Issued and Returned, &c., on account of each Ship and Vessel appearing under the various Sub-Heads of SHIPS Building, Repairing, &c., during the Year ended 20th March 1875.

No. 2.—WEAR AND TEAR AND MAINTENANCE OF THE FLEET, IN COMMISSION AND IN RESERVE, including REPAIRS, REFITS, ALTERATIONS, WORKS rendered necessary by NEW ARMAMENTS, and the RENEWAL of WORN-OUT and PERISHABLE STORES, such as RIGGING, ROPE, SAILS, BLOCKS, &c.

Note.—The Figures printed in *Italics* in the Money Columns show the Amount of Net Credits for Stores, &c., returned.

NAME OF SHIP.	Number of Guns.	Horse Power.	Tonnage.	PERIODS within which the Expense was incurred.		Detailed Head of Charge.	Value of Materials Issued.	Wages.	Payments to Con- tractors,&c. Made and Allowed at Admiralty.	Gross Total, excluding Incidental and Establish- ment Charges.	Value of Materials Returned.	Net Total, excluding Incidental and Establish- ment Charges.	Incidental and Estab- lishment Charges.	Total Expense, inclusive of Incidental and Estab- lishment Charges.	REMARKS.
				From	To										
IRON CLADS BUILT IN HER MAJESTY'S DOCKYARDS:															
IRON DUKE	- 14	800 (4,268)	3,787 (6,034)	- On the 20th Feb. 1875 -		Rigging and Stores	£. 4	—	£. —	£. 4	—	£. 4		£.	Spar supplied.
				- On the 29th April 1874 -		Rigging and Stores	33	—	—	33	—	33			
						Hull - - -	90	34	—	124	—	124			
						Masts and Yards -	28	8	—	36	1	35			
						Rigging and Stores	1,159	85	—	1,194	199	995			
				30 June 1874	8 Aug. 1874	Total - - - £.	1,277	77	—	1,354	200	1,154			
						Engineers' Stores -	167	—	—	167	6	161			
				- On the 29th Aug. 1874 -		Rigging and Stores	—	—	—	—	3	3			
				29 Oct. 1874	12 Nov. 1874	Rigging and Stores	50	—	—	50	10	40			
						Engineers' Stores -	1	—	—	1	—	1			Casual repairs, supplies, &c.
						Hull - - -	6	—	—	6	—	6			
						Rigging and Stores	223	—	—	223	5	218			
				2 Jan. 1875	19 Jan. 1875	Total - - - £.	229	—	—	229	5	224			
						Engineers' Stores	121	—	—	121	—	121			
				- On the 5th March 1875 -		Rigging and Stores	—	—	—	—	3	3			
NOT IRON CLAD:															
In Commission:															
BRITON	- 10	350 (2,169)	1,331 (1,870)												

[illegible]

TRINCOMALEE NAVAL YARD.—No. 4.—DETAILED SHIP ACCOUNT—continued.

No. 2.—WEAR AND TEAR AND MAINTENANCE OF THE FLEET, IN COMMISSION AND IN RESERVE, including REPAIRS, RETITS, ALTERATIONS, &c.—*continued.*

NAME OF SHIP.	PERIODS within which the Expense was incurred.		Tonnage.	Horse Power.	Number of Guns.	Detailed Head of Charge.	Value of Materials Issued.	Wages.	Payments to Con- tractors, &c. Made and Allowed at Admiralty.	Gross Total, excluding Incidental and Estab- lishment Charges.	Value of Materials Returned.	Net Total, excluding Incidental and Estab- lishment Charges.	Incidental and Estab- lishment Charges.	Total Expense, inclusive of Incidental and Estab- lishment Charges.	REMARKS.
	From	To													
NOT IRON CLAD—continued.															
IN COMMISSION—continued.															
GLASGOW—continued	28	600 (2,020)	3,037 (4,920)												
						Rigging and Stores -	£. 1	—	£. 1	£. 3	£. 2				
						Engineers' Stores -	4	—	—	—	—	7			
						Hull -	833	3	—	—	—	688			
						Rigging and Stores -		1	—	—	—	146			
						Total - - - £.	837	4	—	—	—	695			
						Engineers' Stores -	148	—	—	—	—	148			Casual repairs, supplies, &c.
						Hull -	12	5	—	—	—	17			
						Rigging and Stores -	512	8	—	—	—	241			
						Total - - - £.	524	13	—	—	—	258			
						Engineers' Stores -	14	—	—	—	—	46			
HART	4	120 (608)	464 (584)			Rigging and Stores -	—	—	—	—	—	3			Casual supplies and re- turns.
						Engineers' Stores -	10	—	—	—	—	5			
LAPWING	3	160 (832)	663 (774)			Hull -	10	6	—	—	—	16			
						Rigging and Stores -	2	—	—	—	—	2			Altered Hammock Nettings into Sail lockers.
						Total - - - £.	12	6	—	—	—	18			
MAGPIE	3	160 (837)	665 (774)			Rigging and Stores -	22	—	—	—	—	22			Chain Cable supplied.
						Rigging and Stores -	21	—	—	—	—	21			Stores supplied.
NASSAU	4	150 (755)	695 (877)			Rigging and Stores -	92	—	—	—	—	92			Awnings supplied.
						Rigging and Stores -	54	—	—	—	—	54			Chain Cable supplied.

TRINCOMALEE NAVAL YARD.—No. 4.—DETAILED SHIP ACCOUNT—continued.

No. 4.—STEAM TUGS, YARD CRAFT, COAL DEPÔTS, &c., BUILDING, FITTING, REFITTING, &c.

Yard to which the Craft is Attached.	Name and Description of Yard Craft,	Horse Power.	Tonnage.	PERIODS within which the Expense was incurred.		Detailed Head of Charge.	Value of Materials Issued.	Wages.	Payments to Con- tractors,&c. Made and Allowed at Admiralty.	Gross Total, excluding Incidental and Establish- ment Charges.	Value of Materials Returned.	Net Total, excluding Incidental and Establish- ment Charges.	Incidental and Estab- lishment Charges.	Total Expense, inclusive of Incidental and Estab- lishment Charges.	REMARKS.
				From	To										
TRINCOMA- LEE.	No. 1 (Tank Vessel).	-	60	4 April 1874	25 April 1874	Hull - - - -	£. 1	£. —	£. —	£. 1	£. —	£. 1	£. —	£. —	New pump for water- tank, &c.
				23 Nov. "	5 Dec. "	Hull - - - -	—	5	—	5	—	5	—	—	
				- On the 6th Feb. 1875	-	Hull - - - -	1	—	—	1	—	1	—	—	
	No. 2. (Iron Lighter, No. 1.)	-	50	19 Mar. 1874	2 April 1874	Hull - - - -	4	4	—	8	—	8	—	—	Casual repairs, &c.
				17 Oct. "	24 Oct. "	Hull - - - -	8	13	—	21	—	21	—	—	
				- On the 20th Mar. 1875	-	Hull - - - -	1	—	—	1	—	1	—	—	
	No. 3. (Iron Lighter, No. 2.)	-	50	- On the 15th Aug. 1874	-	Hull - - - -	2	—	—	2	—	2	—	—	- - ditto.
				26 Sept. 1874	17 Oct. "	Hull - - - -	6	26	—	32	—	32	—	—	
				9 Mar. 1875	20 Mar. 1875	Hull - - - -	4	11	—	15	—	15	—	—	
					TOTAL - - -		Hul - - - -	27	59	—	86	—	86	—	See Abstract (p. 609).

A B S T R A C T.

S E R V I C E.	Page.	DESCRIPTION.	Detailed Head of Charge.	Value of Materials Issued.	Wages.	Payments to Contractors, &c. Made and Allowed at Admiralty.	Gross Total, excluding Incidentals and Establishment Charges.	Value of Materials Returned.	Net Total, excluding Incidentals and Establishment Charges.	Incidental and Establishment Charges.	Total Expense, inclusive of Incidentals and Establishment Charges.
No. 2.—Wear and Tear and Maintenance of the Fleet, in Commission and in Reserve, including Repairs, Refits, Alterations, Works rendered necessary by New Armaments, and the Renewal of Worn-out and Perishable Stores, such as Rigging, Ropes, Sails, Blocks, &c.:— In Commission - - -	604	Iron Clads built in Her Majesty's Dockyards - }	Rigging and Stores - - -	£. 4	£. —	£. —	£. 4	£. —	£. 4	£. 1	£. 5
	607	Not Iron-clad - - -	Hull - - -	320	203	—	523	—	523	2,175	9,655
			Masts and Yards - - -	76	23	—	99	1	98		
			Rigging and Stores - - -	6,871	136	—	7,007	1,860	5,647		
			Boilers and Engineers' Fittings	5	1	—	6	—	6		
			Engineers' Stores - - -	1,299	2	—	1,301	95	1,206		
			TOTAL - - - £.	8,571	365	—	8,936	1,456	7,480		
No. 4.—Steam Tugs, Yard Craft, Coal Depôts, &c., Building, Fitting, Refitting, &c. - - -	608	- - -	Hull - - -	27	59	—	86	—	86	115	201
	TOTAL - - -		Hull - - -	347	202	—	609	—	609	2,291	9,861
			Masts and Yards - - -	76	23	—	99	1	98		
			Rigging and Stores - - -	6,875	136	—	7,011	1,360	5,651		
			Boilers and Engineers' Fittings	5	1	—	6	—	6		
			Engineers' Stores - - -	1,299	2	—	1,301	95	1,206		
			GRAND TOTAL - - - £.	8,602	424	—	9,026	1,456	7,570		

FOREIGN YARDS.

GENERAL ABSTRACT.

FOREIGN YARDS.—DETAILED SHIP ACCOUNT.

GENERAL ABSTRACT.

S E R V I C E.	DESCRIPTION.	Detailed Head of Charge.	Value of Materials Issued.	Wages.	Payments to Contractors, &c. Made and Allowed at Admiralty.	Gross Total, excluding Incidental and Establishment Charges.	Value of Materials Returned.	Net Total, excluding Incidental and Establishment Charges.	Incidental and Establishment Charges.	Total Expense, inclusive of Incidental and Establishment Charges.
In Commission	Iron Clads built by Contract	Hull	£.	£.	£.	£.	£.	£.	£.	£.
		Masts and Yards	850	1,050	—	1,900	111	1,789		
		Rigging and Stores	232	29	—	261	—	261		
		Engines and Engineers' Fittings	6,306	64	—	6,370	1,699	4,671		
		Boilers and Engineers' Fittings	78	363	—	441	799	358		
In Reserve	Iron Clads built by Contract	Enginers' Stores	108	267	—	375	8	367		
		Enginers' Stores	1,167	—	—	1,167	166	1,001		
		TOTAL	8,741	1,773	—	10,514	2,783	7,731	5,060	12,791
		Hull	£.	£.	£.	£.	£.	£.	£.	£.
		Masts and Yards	3,727	1,590	—	5,317	2,164	3,153		
In Commission	Iron Clads built in Her Majesty's Dockyards	Rigging and Stores	156	40	—	196	4	192		
		Engines and Engineers' Fittings	8,741	145	—	8,886	2,605	6,281		
		Boilers and Engineers' Fittings	82	153	—	235	14	221		
		Enginers' Stores	184	195	—	379	13	366		
		Enginers' Stores	2,130	7	—	2,137	162	1,975	6,988	19,176
In Reserve	Not Iron Clad	TOTAL	15,020	2,130	—	17,150	4,962	12,188		
		Hull	£.	£.	£.	£.	£.	£.	£.	£.
		Masts and Yards	17,143	11,645	—	28,788	5,370	23,418		
		Rigging and Stores	2,700	521	—	3,221	332	2,889		
		Engines and Engineers' Fittings	55,883	1,452	—	57,335	20,238	37,097		
In Commission	Iron Clads built by Contract	Boilers and Engineers' Fittings	1,671	2,378	631	4,680	313	4,367		
		Enginers' Stores	5,309	4,002	2,890	12,401	4,695	7,706		
		Enginers' Stores	11,130	36	—	11,166	8,976	7,190	56,998	139,665
		TOTAL	94,036	20,034	3,521	117,591	34,924	82,667		
		TOTAL	£.	£.	£.	£.	£.	£.	£.	£.
In Reserve	Iron Clads built by Contract	Hull	£.	£.	£.	£.	£.	£.	£.	£.
		Masts and Yards	349	451	—	800	21	779		
		Rigging and Stores	13	1	—	14	30	46		
		Engines and Engineers' Fittings	108	67	—	175	62	113		
		Boilers and Engineers' Fittings	38	37	—	75	14	61	1,275	2,309
In Commission	Iron Clads built by Contract	Enginers' Stores	31	66	—	97	—	97		
		TOTAL	539	622	—	1,161	127	1,034		
		TOTAL	£.	£.	£.	£.	£.	£.	£.	£.
		TOTAL	£.	£.	£.	£.	£.	£.	£.	£.
		TOTAL	£.	£.	£.	£.	£.	£.	£.	£.

No. 2.—Wear and Tear and Maintenance of the Fleet, in Commission and in Reserve, including Repairs, Refits, Alterations, Works rendered necessary by New Armaments, and the Renewal of Worn-out and Perishable Stores, such as Rigging, Rope, Sails, Blocks, &c.:—

TOTAL, No. 2. In Commission - - - £. 171,632

No. 3.—Hulks Repairing, &c.	Not Iron Clad	Hull	381	545	—	925	416	510	1,741	855
		Masts and Yards	—	5	—	5	31	26		
		Rigging and Stores	73	63	—	136	836	700		
		Engines and Engineers' Fittings	9	69	—	78	619	541		
		Boilers and Engineers' Fittings	19	37	—	56	185	129		
		TOTAL	482	719	—	1,201	2,087	886		
TOTAL No. 2. In Reserve - - - £. 3,164										
No. 4.—Steam Tugs, Yard Craft, Coal Depôts, &c., Building, Fitting, Refitting, &c.		Hull	281	306	—	587	218	369	678	928
		Rigging and Stores	19	1	—	20	139	119		
		TOTAL	300	307	—	607	357	250		
No. 5.—Ships and Vessels Breaking up		Hull	1,540	1,600	—	3,140	353	2,787	4,766	9,598
		Masts and Yards	13	24	—	37	—	37		
		Rigging and Stores	1,028	114	—	1,142	197	945		
		Engines and Engineers' Fittings	75	133	—	208	7	201		
		Boilers and Engineers' Fittings	215	343	260	818	48	770		
		Engineers' Stores	213	6	—	219	127	92		
		TOTAL	3,084	2,220	260	5,564	732	4,832		
No. 6.—Ships and Vessels Breaking up		Hull	2	—	124	126	1,233	1,407	183	924
		Masts and Yards	—	—	—	—	—	—		
		Rigging and Stores	—	—	—	—	—	—		
		Engines and Engineers' Fittings	—	—	—	—	—	—		
		Boilers and Engineers' Fittings	—	—	—	—	—	—		
		Engineers' Stores	—	—	—	—	—	—		
		TOTAL	24,273	17,187	124	41,584	9,886	31,698	77,689	184,398
		Masts and Yards	3,114	620	—	3,734	397	3,337		
		Rigging and Stores	72,158	1,906	—	74,064	25,776	48,288		
		Engines and Engineers' Fittings	1,953	3,133	631	5,717	1,766	3,951		
		Boilers and Engineers' Fittings	6,066	4,910	3,150	14,126	4,949	9,177		
		Engineers' Stores	14,640	49	—	14,689	4,431	10,258		
		GRAND TOTAL	122,204	27,805	3,905	153,914	47,205	106,709		

FOREIGN

No.

Dr.

DOCKYARD CHARGES INCIDENTAL TO

To INCOME ACCOUNT (p. 489):—		£.	£.
For Amounts shown against the Services in the Detailed Accounts annexed, viz.:—			
Salaries, &c.	- - - - -	19,231	
Rents, Rates, Taxes, and Water	- - - - -	665	
Lighting with Gas	- - - - -	409	
Contingencies	- - - - -	984	
Wages to Artificers, &c., including Wages, Yard Service Afloat, Hire of Teams, and Extra Pay to Artificers of the Fleet	- - - - -	18,677	
Wages, Police Force	- - - - -	4,754	
Freight and sundry Expenses connected with Naval Stores	- - - - -	9,990	
Estimated current Charge for Deferred Annuities, equal to 7 per cent. on the Salaries to Dockyard Officers, and Wages paid to Established Workmen, on account of the prospect of Pensions on their Retirement	- - - - -	1,742	
Repairs, Replacements, &c. of Buildings, Docks, &c.	- - - - -	21,800	
Dredging in connection with Dockyard	- - - - -	1,751	
Contingencies (Works and Repairs)	- - - - -	1,122	
Ditto (Machinery)	- - - - -	319	
Repairs, Replacements, &c. of Plant	- - - - -	2,422	
			83,866
To CAPITAL ACCOUNT (p. 492):—			
For Value of Stores including Fodder drawn for the Services named in the Detailed Account			8,882
To CONVERSIONS (p. 623):—			
For Amount of the Excess Cost of Manufactured Produce over the Value at which it has been charged to Stock for subsequent Issue			6,430
To OTHER YARDS (p. 624):—			
For Proportion of Cost of Shipment, at the following Yards, of Stores received at Foreign Yards, viz.:—		£.	
Deptford	- - - - -	3,152	
Chatham	- - - - -	1	
Sheerness	- - - - -	17	
Portsmouth	- - - - -	35	
Devonport	- - - - -	138	
Foreign Yards	- - - - -	6	
			3,349
		£.	102,527

YARDS.

5.

SHIP BUILDING, EQUIPPING, &c.

Cr.

By INCOME ACCOUNT (p. 490):—

For Value of Materials returned into Store	- - - - -	£.	1,098
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By OTHER THAN DOCKYARD SERVICES (p. 621):—

For Proportion of Incidental and Establishment Charges on Materials issued to, and returned from, and on Labour employed on account of other Branches of the Naval Service, other Departments of Government, Private Individuals, &c.	- - - - -		22,649
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By CONVERSIONS (p. 623):—

For Excess of Value at which Manufactured Produce has been charged to Stock for subsequent Issue over the Cost thereof	- - - - -		979
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By OTHER YARDS (p. 624):—

For Cost of Shipment of Stores to the following Yards, viz.:—	£.	
Deptford - - - - -	50	
Chatham - - - - -	26	
Sheerness - - - - -	5	
Portsmouth - - - - -	7	
Devonport - - - - -	18	
Foreign Yards - - - - -	6	112

By SHIPS (p. 493):—

For Amount of Net Expenditure appropriated <i>pro rata</i> to Sub-Heads of Ships Building, &c. Account	- - - - -		77,689
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£.	102,527
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FOREIGN YARDS.—No. 5—continued.

DETAILED ACCOUNT of DOCKYARD CHARGES incidental to SHIP BUILDING, EQUIPPING, &c.

DETAILED HEAD OF CHARGE.	DEBITS.				CREDITS.			Net Amount Chargeable.
	Payments for Salaries, Rents, Contingencies, and other Charges.	Wages.	Materials Issued.	TOTAL.	Materials Returned.	Expense of Shipping Stores to other Yards, and other Credits.	TOTAL.	
	£.	£.	£.	£.	£.	£.	£.	£.
Opening and shutting dock gates and penstocks, floating and sinking caissons, and pumping docks; <i>except</i> when it has been possible to charge the expense direct to the ship on account of which it is incurred - - - - -	-	13	19	32	-	-	-	32
Transporting hawsers, launching rope gear, rope for guys and stages, blocks, planks, bilgeways, cleats, timber, &c., for launching and docking ships, shores, spauls, stage deals, launching booths, floating stages of all kinds, wedges, harpins, and ribands, blocks under new ships, brows, temporary ladders for, and housing over, ships, &c., screws for securing plank, &c.; <i>except</i> when it is possible to charge the expense direct to the ship on account of which it is incurred - - - - -	-	361	1,591	1,952	366	-	366	1,586
Replacement and maintenance of yard boats - - - - -	-	1,225	1,614	2,839	242	-	242	2,597
Crabs, winches, carts, waggons, timber carriages, sledges, barrows, ladders, &c. - - - - -	-	353	670	1,023	24	-	24	999
Materials and labour (including pay of draughtsmen and modellers) for mould lofts; <i>except</i> when it has been possible to charge the expense direct to the ship on account of which it is incurred - - - - -	-	25	18	43	-	-	-	43
Loan tool stores, including repairs and replacement of tools for general service of the yards, but not for conversion shops - - - - -	-	492	724	1,216	16	-	16	1,200
Fire engines, buckets, hoses, and other gear connected therewith: share of - - - - -	-	113	161	274	32	-	32	242
Collecting old timber, chips, and stores for sale, and cleaning and clearing the yards and docks - - - - -	-	2,140	204	2,344	10	-	10	2,334
Coals, candles, furniture, and other stores for officers' offices - - - - -	-	272	527	799	-	-	-	799
Wages of all single stationed men and boats' crews, to include draughtsmen (except those in the mould loft), writers, signalmen, messengers, postmen, labourers, and boys employed on general duties, not chargeable to any other detailed head of service; also petty stores used in connection with services on which these men are employed; but not including any expenses which could be charged to any specific ship or service: share of - - - - -	-	2,618	97	2,715	2	-	2	2,713
Allowances for apprentices' instructors - - - - -	-	134	-	134	-	-	-	134
Wages of apprentices whilst at school, and board wages to apprentices when sick - - - - -	-	1	-	1	-	-	-	1
Hurt money, including half pay of yard craft men when sick - - - - -	-	172	-	172	-	-	-	172
Other miscellaneous charges - - - - -	-	2,801	945	3,746	14	-	14	3,732
Docks, slips, and basins, including housings over docks and slips, sheds, workshops, caissons, timber racks, temporary roofs, and all other buildings, and waterworks for supplying the yards and for extinguishing fire; repairs, replacements, and maintenance of - - - - -	21,800	-	-	21,800	-	-	-	21,800
Dredging in connection with Dockyard - - - - -	1,751	-	-	1,751	-	-	-	1,751
Contingencies (Works and Repairs) - - - - -	1,122	-	-	1,122	-	-	-	1,122
Ditto (Machinery) - - - - -	319	-	-	319	-	-	-	319
Machinery for the general service of the yards and factories; cranes, capstans, steam hoists, &c.; repairs, replacements, and maintenance of - - - - -	2,422	-	-	2,422	-	-	-	2,422

FOREIGN YARDS.—No. 5—continued.

DETAILED ACCOUNT of Dockyard Charges incidental to Ship Building, Equipping, &c.—continued.

DETAILED HEAD OF CHARGE.	DEBITS.				CREDITS.			Net Amount Chargeable.
	Payments for Salaries, Rents, Contingencies, and other Charges.	Wages.	Materials Issued.	TOTAL.	Materials Returned.	Expense of Shipping Stores to other Yards, and other Credits.	TOTAL.	
Salaries of Superintendent, Retinue, and Clerks: share of	£.	£.	£.	£.	£.	£.	£.	£.
" Master Attendant, Assistant to Master Attendant, Harbour Master, Master Sailmaker, Master Rigger, Master Ropemaker, Foreman of Ropemakers, Foreman of Line Spinners, Layer in the Rope Yard, and Clerks: share of	19,231	—	—	19,231	—	—	—	19,231
" Master Shipwright, Assistant Master Shipwright, Timber Inspector, Boatswain, Master Smith, Foremen, Converter of Timber, Inspectors, and Clerks: share of	—	—	—	—	—	—	—	—
" Chief Engineer and Inspector of Machinery, Assistant Engineer, Conductor of Metal Mills, Assistant Inspector of Steam Machinery, Foreman Millwright, and Clerks	—	—	—	—	—	—	—	—
" Storekeeper, Foremen of Storehouses, and Clerks: share of	—	—	—	—	—	—	—	—
" Accountant, Inspectors of Stores, and Clerks: share of	—	—	—	—	—	—	—	—
" Cashier, Timekeeper, and Clerks: share of	—	—	—	—	—	—	—	—
Addition of 7 per cent. to the foregoing salaries, on account of the prospect of pensions on retirement to those dockyard officers who are entitled to the same	799	—	—	799	—	—	—	799
Rent, rates, taxes, and water	665	—	—	665	—	—	—	665
Lighting with gas	409	—	—	409	—	—	—	409
Contingencies	984	—	—	984	—	—	—	984
Wages Police Force: share of	4,754	—	—	4,754	—	—	—	4,754
Addition of 7 per cent. to the wages of established workmen, on account of the prospect of pensions on their retirement	943	—	—	943	—	—	—	943
TOTAL, Incidental and Establishment Charges, } £. distributable <i>pro rata</i> on Wages	55,199	10,720	6,570	72,489	706	—	706	71,783
Landing, surveying, receiving, depositing, and issuing timber	—	546	11	557	—	—	—	557
Landing, surveying, receiving, depositing, and issuing stores	—	5,365	1,723	7,088	207	—	207	6,891
Continuous survey and survey valuation of stock, &c.	—	430	1	431	21	—	21	410
Shipping off timber and stores to other yards at home and abroad (including the cost of packing cases and casks <i>only</i> when new, and <i>only</i> at the yards shipping the stores)	—	103	9	112	—	—	—	112
Preservation of timber, boats, and other stores	—	313	438	751	37	—	37	714
Wages of crews of sailing lighters, sheer hulks, and small craft, when not employed on services provided for under other specific heads in these Accounts	—	903	—	903	—	—	—	903
Other Miscellaneous Charges	—	297	130	427	127	—	127	300
Freight and sundry expenses connected with naval stores	9,990	—	—	9,990	—	—	—	9,990
Expense incurred at other yards, &c., shipping stores to foreign yards	3,349	—	—	3,349	—	—	—	3,349
Cost of manufactured produce in excess of Rate Book Value	6,430	—	—	6,430	—	—	—	6,430
Cost of manufactured, less than Rate Book Value	—	—	—	—	—	979	979	979
Expense incurred at the foreign yards, shipping stores to other yards	—	—	—	—	—	112	112	112
TOTAL, Incidental and Establishment Charges, } £. distributable <i>pro rata</i> on Materials	19,769	7,957	2,312	30,038	392	1,091	1,483	28,555
TOTAL	74,968	18,677	8,882	102,527	1,098	1,091	2,189	100,338

FOREIGN YARDS.

No. 6.

HARBOUR AND DOCKYARD NATIONAL CHARGES.

Dr.

Cr.

		£.	£.			£.
To INCOME ACCOUNT (p. 491):—				By INCOME ACCOUNT (p. 490):—		
For Amounts shown against the Services in the detailed Account annexed, viz:—				For Value of Materials returned into Store		1,606
Salaries, &c.	- - - - -	17,402				
Wages to Artificers, &c., including Wages, Yard Service Afloat, Hire of Teams, &c.	- - - - -	12,412				
Wages, Police Force	- - - - -	4,754				
Experimental purposes (for Details, see p. 695)	- - - - -	6				
Dredging, not in connection with Dockyard	- - - - -	2,778				
Temporary superintendence, &c., of Engineering and Architectural Works and Repairs	- - - - -	1,556				
Estimated Current Charge for Deferred Annuities on account of Pensions to Dockyard Officers	- - - - -	811				44,963
			39,719	By BALANCE ACCOUNT (p. 625):—		
				For Net Charge for the Year, being Proportion of Incidental and Establishment Charges not considered applicable to Ships		
			6,850			
			46,569			46,569
To CAPITAL ACCOUNT (p. 492):—						
For Value of Gross Issues of Stores, as per Detailed Account						

FOREIGN YARDS.—No. 6—continued.

DETAILED ACCOUNT of HARBOUR and DOCKYARD NATIONAL CHARGES.

DETAILED HEAD OF CHARGE.	DEBITS.				CREDITS.	Net Amount Chargeable.
	Payments for Salaries, Rents, Contingencies, and other Charges.	Wages.	Materials Issued.	TOTAL.	Materials Returned.	
	£.	£.	£.	£.	£.	£.
Harbour and Dockyard Gear: viz, cables, pendants, chains, swivels, bridles, and buoys - - - - -	-	1,113	6,114	7,227	1,541	5,686
Fire engines, buckets, hoses, and other gear connected therewith: share of - - - - -	-	113	161	274	32	242
Dockyard chapel, chemical lecture room and laboratory, school for apprentices, police station and military guard room (labour and petty stores) - - - - -	-	684	380	1,064	-	1,064
Experimental services chargeable to Vote 10, Sect. II., of Navy Estimates (for Details, see page 695) - - - - -	6	-	-	6	-	6
Wages of all single stationed men and boats' crews, to include draughtsmen (except those in the mould loft), writers, signalmen, messengers, postmen, labourers, and boys employed on general duties, not chargeable to any other detailed head of service; also petty stores used in connection with services on which these men are employed, but not including any expenses which could be charged to any specific ship or service: share of - - - - -	-	2,617	97	2,714	2	2,712
Holidays - - - - -	-	870	-	870	-	870
Wages of crews of steam tugs and mooring lighters when not employed on services provided for under other specific heads in these Accounts - - - - -	-	6,318	-	6,318	-	6,318
Other miscellaneous charges - - - - -	-	697	98	795	31	764
Salaries of Superintendent, Retinue, and Clerks: share of -						
" Master Attendant, Assistant to Master Attendant, Harbour Master, Master Sailmaker, Master Rigger, Master Ropemaker, Foreman of Rope-makers, Foreman of Line Spinners, Layer in the Rope Yard, and Clerks: share of - - -	17,402	-	-	17,402	-	17,402
" Master Shipwright, Assistant Master Shipwright, Timber Inspector, Boatswain, Master Smith, Foremen, Converter of Timber, Inspectors, and Clerks: share of - - - - -						
" Storekeeper, Foreman of Storehouses, and Clerks: share of - - - - -						
" Accountant, Inspector of Stores, and Clerks: share of - - - - -						
" Cashier, Timekeeper, and Clerks: share of - - - - -						
" Superintending Civil Engineer, Clerk of Works, Clerk and Accountant, Clerk and Draughtsman, and Foreman of Works - - - - -						
" Surgeon and Assistant Surgeon - - - - -						
" Chaplain, Schoolmaster, &c. - - - - -						
Addition of 7 per cent. to the foregoing salaries, on account of the prospect of pensions on retirement to those dockyard officers who are entitled to the same - - - - -	811	-	-	811	-	811
Wages, police force: share of - - - - -	4,754	-	-	4,754	-	4,754
Dredging, not in connection with Dockyard - - - - -	2,778	-	-	2,778	-	2,778
Temporary Superintendence, &c. of Engineering, and Architectural Works and Repairs - - - - -	1,556	-	-	1,556	-	1,556
TOTAL Harbour and Dockyard National Charges - £.	27,307	12,412	6,850	46,569	1,606	44,963

FOREIGN YARDS.

No. 8.

OTHER THAN DOCKYARD SERVICES—

Dr. Supplies to, or Work for, other Branches of the Naval Service, other Departments of Government, Foreign Governments, Private Individuals, &c.		Cr.	
	£.		£.
To INCOME ACCOUNT (p. 491):—			
For Expenditure during the Year, viz.:—		By INCOME ACCOUNT (p. 490):—	
Wages to Artificers, &c. not chargeable to Vote 6	7,068	For Value of Materials returned into Store	6,187
Ditto - ditto - charged to Vote 6, Sub-head O.	44		
and P.		By BALANCE ACCOUNT (p. 625):—	
	7,112	For Net Charges to Services for the Financial Year 1874-75 not pertaining to Dockyards	70,857
To CAPITAL ACCOUNT (p. 492):—			
For Value of Gross Issues of Stores, as per Detailed Account	47,283		
To DOCKYARD CHARGES INCIDENTAL to SHIP BUILDING, EQUIPPING, &c. (p. 615):—			
For Proportion of Incidental and Establishment Charges on Materials issued to, and returned from, and on Labour employed on account of other Branches of the Naval Service, other Departments of Government, Private Individuals, &c.	22,649		
	£.		£.
	77,044		77,044

FOREIGN YARDS.—No. 8—continued.

DETAILED ACCOUNT of other than DOCKYARD SERVICES—Supplies to, or Work for, other Branches of the Naval Services, other Departments of Government, Foreign Governments, Private Individuals, &c.

DESCRIPTION OF SERVICE.	D E B I T S.				CREDITS.	Net Charge to Services not pertaining to Dockyards.
	Wages.	Materials Issued.	Per-centage and other Charges on Supplies, for Use of Plant, &c., and other Charges.	TOTAL.	Materials Returned.	
	£.	£.	£.	£.	£.	£.
Furniture for the residence and office of the Port Admiral, Secretary, &c. (Vote No. 14)	7	111	—	118	31	87
Furniture for the residence of the Superintendent or other officer of the Dockyard and other Naval Establishments, upon which Per-centage is paid - - - - -	4	4,546	—	4,550	4,181	369
Plate, Linen, &c. supplied to Flag Officers in Command, and to Officers in Command of Her Majesty's Ships, on condition of the value being repaid - - - - -						
New Machinery for Workshops and the general use of the Yard (Vote No. 11)—Dockyard or Factory Labour and Materials, when not chargeable to Contractors - - - - -	—	1,093	—	1,093	235	858
New Buildings, &c. (Vote No. 11)—Dockyard or Factory Labour and Materials, when not chargeable to Contractors - - - - -	—	2,894	—	2,894	864	2,030
Value of Stores supplied to, and Labour employed on account of, "Other Branches of the Naval Services," not chargeable to the Votes for Dockyard Services - - - - -	5,176	16,105	—	21,281	463	20,818
Value of Stores supplied to, and Labour employed on account of, "Other Departments of Government" - - - - -	868	15,681	—	16,549	131	16,418
Value of Stores supplied to, and Labour employed on account of, "Foreign Governments" - - - - -	603	1,974	—	2,577	120	2,457
Value of Stores supplied to, and Labour employed on account of, Private Individuals and Contractors for Vessels and New Works - - - - -	454	4,879	—	5,333	162	5,171
Proportion of Incidental and Establishment Charges on Materials issued to, and returned from, and on Labour employed on account of other Branches of the Naval Service, other Departments of Government, Private Individuals, &c.	—	—	22,649	22,649	—	22,649
£.	7,112	47,283	22,649	77,044	6,187	70,857

No. 10.

OTHER YARDS.

Dr.

Cr.

To CAPITAL ACCOUNT (p. 492):—		£.	£.	By INCOME ACCOUNT (p. 490):—		£.	£.
For Value of Gross Issues of Stores, per Bills of Lading, to be accounted for at the following Yards, viz.:—				For Value of Stores received, per Bills of Lading, from—			
Deptford	-	8,922		Deptford	-	82,068	
Chatham	-	4,550		Chatham	-	177	
Sheerness	-	822		Sheerness	-	1,850	
Portsmouth	-	1,250		Portsmouth	-	679	
Devonport	-	3,092		Devonport	-	17	
Foreign Yards	-	1,071	19,707	Foreign Yards	-	771	85,562
To DOCKYARD CHARGES INCIDENTAL TO SHIP BUILDING, EQUIPPING, &c. (p. 615):—				By DOCKYARD CHARGES INCIDENTAL TO SHIP BUILDING, EQUIPPING, &c. (p. 614):—			
For Cost of Shipment of Stores to the following Yards, to be there accounted for:				For Proportion of the Cost of Shipment, at the following Yards, of Stores received at Foreign Yards, viz.:—			
Deptford	-	£. 50		Deptford	-	3,152	
Chatham	-	26		Chatham	-	1	
Sheerness	-	5		Sheerness	-	17	
Portsmouth	-	7		Portsmouth	-	35	
Devonport	-	18		Devonport	-	138	
Foreign Yards	-	6	112	Foreign Yards	-	6	3,349
To BALANCE ACCOUNT (p. 625):—							
For Surplus of Receipts from, over Issues to, other Yards, including Cost of Shipment			69,092				88,911
		£.	88,911			£.	88,911

FOREIGN YARDS.

No. 11.

BALANCE ACCOUNT.

Q.

Dr.

	£.	£.	£.
To INCOME ACCOUNT (p. 491) :—			
For portion of the Storekeeper and Accountant's Salaries, estimated as chargeable to the Victualling Establishments at Halifax and Hong Kong - - - - -	1,139		
For Wages at Singapore, included in Statement of Surplus and Deficits, for which no Accounts of Appropriation to Ships and Services have been furnished - - - - -	58		
For adjusting Entries on account of Value of Stores taken on charge by Storekeeper prior to this Financial Year, but paid for in this Year - - - - -	5,737		
For Value of Timber, &c., issued to other Departments in excess of that received and paid for in the Year - - - - -	1,341		
For Value of Metal and Metal Articles issued to other Departments, &c., in excess of those received and paid for in the Year - - - - -	4,660		
For Value of Hemp, Canvas, &c., issued to other Departments, &c., in excess of that received and paid for in the Year - - - - -	1,239		
For Value of Paint, &c., issued to other Departments, &c., in excess of that received and paid for in the Year - - - - -	3,721		
For Payments to the Exchequer of Proceeds of Sale of Old Stores, &c. - - - - -	791		
		18,686	
To CAPITAL ACCOUNT (p. 492) :—			
For Value of Coals issued to Ships for Steaming Purposes, and Wages for Coalging - - - - -	68,529		
For Value of Materials issued to Contractors for Re-manufacture - - - - -	674		
		69,203	
For Balance carried to next Year's Account, viz.:—			
Value of Land - - - - -	155,907		
Value of Buildings - - - - -	1,367,090		
Value of Machinery - - - - -	63,983		
Value of Stock - - - - -	562,145		
		2,149,125	
To SHIPS (p. 493) :—			
For Net Expenditure charged to Ships in the Year - - - - -	-	184,398	
To HARBOUR and DOCKYARD NATIONAL CHARGES (p. 618) :—			
For Net Expenditure in the Year - - - - -	-	44,963	
To DEPRECIATION and APPRECIATION ACCOUNT (p. 620) :—			
For Net Charge - - - - -	-	40,462	
To OTHER THAN DOCKYARD SERVICES (p. 621) :—			
For Net Charge to Services not pertaining to Dockyards - - - - -	-	70,857	
To OTHER YARDS (p. 624) :—			
For Value of Stores issued to other Yards, &c., including Cost of Shipment - - - - -	-	19,819	
			2,597,513
By INCOME ACCOUNT (pp. 488 and 490) :—			
For Expenditure, per Statement of Surpluses and Deficits, Votes 6, 10, and 11 - - - - -		258,841	
Vote 16:—For Estimated Current Charge for Deferred Annuities - - - - -		2,553	
For adjusting Entry, principally consisting of the Value of Stores paid for by other Departments, &c., and consequently not appearing as a final Financial Charge, Vote 10, Sect. I. - - - - -		40,790	
For Amounts for Services other than those pertaining to Dockyards - - - - -		7,068	
For Stores taken on charge by Storekeeper, and debited to the Stock up to the last day of the Financial Year, but not paid for in the Year - - - - -		-	309,252
By CAPITAL ACCOUNT (p. 492) :—			
For Balance from last Year, as per Detailed Account, viz.:—			
Value of Land - - - - -	677	155,907	
Value of Buildings - - - - -	677	1,385,876	
Value of Machinery - - - - -	677	62,675	
Value of Stock - - - - -	691	594,892	
			2,199,350
By OTHER YARDS (p. 624) :—			
For Value of Stores received from other Yards, &c., including Cost of Shipment - - - - -		-	88,911
			2,597,513

4 L 4

FOREIGN YARDS.

ADDENDUM TO THE DETAILED SHIP ACCOUNTS.

EXPENDITURE incurred on the undermentioned Vessels and not included in the Detailed Ship Account of the Yard, pages 496 to 609, the Expense being chargeable to Naval Votes other than 6 and 10, or to "Other Departments of Government."

NAME OF SHIP.	Number of Guns.	Horse Power.	Tonnage.	PERIODS within which the Expense was incurred.		Detailed Head of Charge.	Value of Materials Issued.	Wages.	Gross Total.	Value of Materials Returned.	Net Total.	REMARKS.	
				From	To								
CHARGES against VOTE No. 11, DIRECTOR OF WORKS DEPARTMENT:													
BERMUDA YARD. } ESPOIR (Dredger)	-	-	428	15 May 1874	27 Feb. 1875	Engines and Engineers' Fittings.	£. 16	33	£. 49	-	£. 49	Making and fitting Bevel-wheel for dredging machinery, fitting new boilers on board, lagging boilers, and casual repairs.	
						Boilers and Engineers' Fittings.	-	4	4	-	4		
						TOTAL - - - £.	16	37	53	-	53		
CHARGES against the INDIAN GOVERNMENT:													
{ CROCODILE (Screw Troop Ship).	3	700 (4,044)	4,173 (6,241)	-	On the 3rd April 1874	Hull - - -	-	4	4	-	4	Mooring and unmooring.	
				9 Jan. 1875	11 Jan. 1875	Hull - - -	-	1	1	-	1	- - ditto.	
				-	On the 22nd Feb. 1875	Hull - - -	22	10	32	6	26	{ Slight repairs, mooring and un-moor- ing.	
						Engines and Engineers' Fittings.	2	1	3	-	3		
{ EUPHRATES (Screw Troop Ship).	3	700 (5,004)	4,173 (6,241)	14 April 1874	15 April 1874	Hull - - -	-	1	1	-	1	Mooring and unmooring.	
				-	On the 9th Dec. 1874	Hull - - -	-	1	1	-	1	- - ditto.	
				19 Jan. 1874	20 Jan. 1875	Hull - - -	-	1	1	-	1	- - ditto.	
				7 April 1874	8 April 1874	Hull - - -	-	1	1	-	1	- - ditto.	
{ JUMNA (Screw Troop Ship).	3	700 (4,994)	4,173 (6,241)	3 Nov. "	4 Nov. "	Hull - - -	-	2	2	-	2	- - ditto.	
				2 Jan. 1875	3 Jan. 1875	Hull - - -	-	1	1	-	1	- - ditto.	
				22 Feb. "	23 Feb. "	Hull - - -	-	1	1	-	1	- - ditto.	
				18 Oct. 1874	20 Oct. 1874	Hull - - -	-	2	2	-	2	- - ditto.	

No. 12. (Sect. I.)

A C C O U N T O F E X P E N S E S
FOR SHIP-BUILDING, &c., OTHER THAN THOSE INCURRED
AT HER MAJESTY'S DOCKYARDS.

No.

Dr.

ACCOUNT OF EXPENSES FOR SHIP-BUILDING, &c., OTHER

To Amounts which have come in course of Payment in the Financial Year, under Vote 10, Sects. I. and II., as per Statement of the Surpluses and Deficits, viz.:—		Page in Surpluses and Deficits.	£.	£.
VOTE 10, Sect. I.—NAVAL STORES, &c., viz.:				
For Timber, Masts, Deals, &c. - - - - -	- - - - -	34	186,129	
Less—Appropriated and Charged in the Expense Accounts of each Yard - - - - -	- - - - -	-	186,163	34
For Metals and Metal Articles, &c. - - - - -	- - - - -	34	485,865	
Less—Appropriated and Charged in the Expense Accounts of each Yard - - - - -	- - - - -	-	485,324	541
For Coals and other Fuel for Steam Vessels and Dockyard Purposes - - - - -	- - - - -	34	199,478	
Less—Appropriated and Charged in the Expense Accounts of each Yard - - - - -	- - - - -	-	180,654	18,824
For Hemp, Canvas, &c. - - - - -	- - - - -	34	172,034	
Less—Appropriated and Charged in the Expense Accounts of each Yard - - - - -	- - - - -	-	171,959	75
For Paint, Materials, Oils, Pitch, Tar, Tallow, and other Miscellaneous Articles - - - - -	- - - - -	34	182,037	
Less—Appropriated and Charged in the Expense Accounts of each Yard - - - - -	- - - - -	-	182,368	331
For Freight and Sundry Expenses connected with Naval Stores - - - - -	- - - - -	34	9,536	
Less—Appropriated and Charged in the Expense Accounts of each Yard - - - - -	- - - - -	-	8,020	1,516
For Purchases by Officers of Ships, Foreign Yards, and Coast Guard - - - - -	- - - - -	34	143,304	
Less—Appropriated and Charged in Foreign Yard Expense Accounts - - - - -	- - - - -	-	26,175	117,129
TOTAL VOTE 10, Sect. I. - £.				187,720
VOTE 10, SECT. II.—STEAM MACHINERY AND SHIPS BUILT BY CONTRACT, viz.:				
For Steam Machinery for Her Majesty's Ships and Vessels - - - - -	- - - - -	36	410,578	
Less—Appropriated and Charged in the Expense Accounts of each Yard - - - - -	- - - - -	-	268,687	141,891
For Ships, &c., building by Contract - - - - -	- - - - -	36	-	335,423
For Steamboats to be ordered - - - - -	- - - - -	36	-	6,367
For Experimental Purposes - - - - -	- - - - -	36	13,460	
Less—Appropriated and Charged in the Expense Accounts of each Yard - - - - -	- - - - -	-	4,652	8,808
For Repairs of Ships at other than Her Majesty's Dockyards - - - - -	- - - - -	36	-	36,528
For Salaries, Subsistence, &c. of Officers superintending Ships building by Con- tract, and other Works - - - - -	- - - - -	36	-	12,882
For Breaking up Ships - - - - -	- - - - -	36	8,419	
Less—Appropriated and Charged in the Expense Accounts of each Yard - - - - -	- - - - -	-	8,319	100
TOTAL VOTE 10, Sect. II. - £.				541,999
VOTE 16, SECT. II.—CIVIL PENSIONS - - - - -				126,618
				£. 806,337

12.

THAN THOSE INCURRED AT HER MAJESTY'S DOCKYARDS.

Cr.

		Page in these Accounts.	£.
By Ships :			
For Expenditure charged direct, as per detailed Account, viz. :—			
Steam Machinery for Her Majesty's Ships and Vessels - - - - -		661	141,891
Ships, &c., building by Contract - - - - -		661	335,423
Steamboats to be ordered - - - - -		661	6,367
Repairs of Ships at other than Her Majesty's Dockyards - - - - -		661	35,585
Salaries, Subsistence, &c. of Officers superintending Ships building by Contract, and other Works - - - - -		661	11,131
Ships breaking up - - - - -		661	100
Stores purchased by Consuls, Captains, &c., charged against each Ship, Tender, &c., in the Expense Accounts of Admiralty Payments, but in the Finance Accounts to the several Store Heads under Vote 10, Sect. I., viz. :—			
Purchases by Officers of Ships, &c. - - - - -		661	7,890
TOTAL Ships - - - Page		661	538,387
By Harbour and Dockyard National Charges, viz. :—			
Experimental Purposes - - - - -	Page	691	8,808
Civil Pensions - - - - -	7	126,618	135,426
By Value of the undermentioned Stores paid for out of Vote 10, Sect. I., and supplied to Stations and Depôts from which no Appropriation to Ships and Services have been rendered, and Freight of same, viz. :—			
Timber, Masts, Deals, &c. - - - - -		34	
Metals and Metal Articles - - - - -		541	
Coals and other Fuel for Steam Vessels, &c. - - - - -		18,824	
Hemp, Canvas, &c. - - - - -		75	
Paint Materials, Oils, Pitch, &c. - - - - -		331	
Freight, &c. of the above - - - - -		1,516	
Purchases by Officers of Ships, &c. - - - - -		109,239	
			129,830
By Expenditure under the undermentioned Sub-heads of Vote 10, Sect. II., in the Finance Accounts, 1874-75, which has not been appropriated in these Expense Accounts, viz. :—			
		£.	
Salaries, Subsistence, &c. of Officers superintending Ships building by Contract, and other Works; Officers superintending the manufacture of Boilers for various classes of Vessels, &c. - - - - -		1,751	
Repairs of Ships at other than Her Majesty's Dockyards (repairing Windows at Coast Guard Station) - - - - -		3	
			1,754
		Page	
Payments to Exchequer of Amounts allowed by Contractors, &c., for Old Stores, &c., credit for which has been given to the respective Ships and Vessels - - - - -		7	940
		£.	806,337

PAYMENTS Made and Allowed at the ADMIRALTY charged to the respective SHIPS and VESSELS at other than Her Majesty's Dockyards.

No. 1.—SHIPS BUILDING AND COMPLETING FOR SEA SERVICE.

NAME OF SHIP.	PERIOD		Tonnage.	Horse Power.	Number of Guns.	Place at which the Expense was Incurred.	Detailed Head of Charge.	Steam Machinery for Her Majesty's Ships and Vessels.	Ships Building by Contract.	For Steam Boats to be Ordered.	Salaries, Subsidence, &c. of Officers superintending Ship Building by Contract and other Works.	Purchase of Stores by Consuls, Captains, &c. for Repairs of Her Majesty's Ships, &c.	TOTAL.	REMARKS.
	From	To												
IRON CLADS BUILT BY CONTRACT:														
CYCLOPS	-	-	2,107 (1,660)	4	-	Built at Blackwall, by the Thames Company.	Hull	-	£. Cr. 32	-	-	-	£. Cr. 32	Adjustment of accounts for 1873-74.
NELSON	-	On the 31st March 1875	-	12	-	Building by John Elder & Co., at Glasgow.	Hull	-	16,000	-	-	-	16,000	On account of building.
		27 Oct. 1874	31 Mar. 1875		-	- ditto	Hull	-	-	-	310	-	310	Supervision of contract work.
NORTHAMPTON	-	On the 30th March 1875	-	12	-	Building at Glasgow, by R. Napier & Sons.	Hull	-	15,000	-	-	-	15,000	On account of the building.
		27 Oct. 1874	31 Mar. 1875		-	- ditto	Hull	-	-	-	248	-	248	Supervision of contract work.
					-	TOTAL	Hull	-	30,968	-	558	-	31,526	
IRON CLADS BUILT IN HER MAJESTY'S DOCKYARDS:														
ALEXANDRA (late "SUFER").	12	23 Mar. 1874	13 Mar. 1875	-	-	Building at Chat. ham.	Hull	-	-	-	133	-	133	Superintending the manufacture of armour plates.
DREADNOUGHT (late "FURY").	4	23 Mar. "	20 Mar. "	1,000 (5,000)	5,030 (10,950)	Building at Pembroke.	Hull	-	-	-	153	-	153	- - ditto - - ditto.
INFLEXIBLE	4	23 Mar. "	20 Mar. "	-	-	Building at Pembroke.	{ Hull Boilers and Engineers' Fittings.	-	-	-	336 36	-	336 36	Superintending the manufacture of armour plates.
SHANNON	9	23 Mar. "	20 Mar. "	-	-	Building at Pembroke.	Hull	-	-	-	222	-	222	Superintending the manufacture of armour plates.
TEMERAIRE	8	30 Mar. "	20 Mar. "	-	-	Building at Chat. ham.	Hull	-	-	-	130	-	130	- - ditto - - ditto.
						TOTAL	{ Hull Boilers and Engineers' Fittings.	-	-	-	974	-	974	
								-	-	-	36	-	36	

NOT IRON CLAD:		ALBATROSS		ARAB		ASSISTANCE		BACCHANTE		BOADICEA		CONTEST		CYGNET		DARING		DIAMOND																																																																																																																																																																																																																																																																														
5 Aug. 1874	11 Aug. 1874	28 April	29 Mar. 1875	12 Oct.	30 Mar.	On the 15th March 1875	On the 18th Feb. 1875	23 Mar. 1874	20 Mar. 1875	15 June	20 Mar.	15 June	13 Oct. 1874	10 Sept.	22 Jan. 1875	On the 20th March 1875	23 Mar. 1874	5 Mar. 1875	13 Aug.	22 Jan.	On the 31st March 1875	23 Mar. 1874	26 Oct. 1874	1 July	26 Nov.	25 Nov.	28 Dec.	23 Mar.	17 Oct.	On the 28th Sept. 1874	22 June 1874	20 Mar. 1875																																																																																																																																																																																																																																																																
727 (835)	727 (894)	120 (835)	120 (894)	120 (835)	120 (894)	120 (835)	120 (894)	120 (835)	120 (894)	120 (835)	120 (894)	120 (835)	120 (894)	120 (835)	120 (894)	120 (835)	120 (894)	120 (835)	120 (894)	120 (835)	120 (894)	120 (835)	120 (894)	120 (835)	120 (894)	120 (835)	120 (894)	120 (835)	120 (894)	120 (835)	120 (894)																																																																																																																																																																																																																																																																	
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Built at Chatham -	Built at Glasgow, by Messrs. Napier.	Built at Glasgow, by Messrs. Napier.	Built at Glasgow, by Messrs. Napier.	Built at Blackwall, by Messrs. Rose, Green.	Built at Blackwall, by Messrs. Rose, Green.	Built at Blackwall, by Messrs. Rose, Green.	Built at Blackwall, by Messrs. Rose, Green.	Built at Blackwall, by Messrs. Rose, Green.	Built at Blackwall, by Messrs. Rose, Green.	Built at Blackwall, by Messrs. Rose, Green.	Built at Blackwall, by Messrs. Rose, Green.	Built at Blackwall, by Messrs. Rose, Green.	Built at Blackwall, by Messrs. Rose, Green.	Built at Blackwall, by Messrs. Rose, Green.	Built at Blackwall, by Messrs. Rose, Green.	Built at Blackwall, by Messrs. Rose, Green.	Built at Blackwall, by Messrs. Rose, Green.	Built at Blackwall, by Messrs. Rose, Green.	Built at Blackwall, by Messrs. Rose, Green.	Built at Blackwall, by Messrs. Rose, Green.	Built at Blackwall, by Messrs. Rose, Green.	Built at Blackwall, by Messrs. Rose, Green.	Built at Blackwall, by Messrs. Rose, Green.	Built at Blackwall, by Messrs. Rose, Green.	Built at Blackwall, by Messrs. Rose, Green.	Built at Blackwall, by Messrs. Rose, Green.	Built at Blackwall, by Messrs. Rose, Green.	Built at Blackwall, by Messrs. Rose, Green.	Built at Blackwall, by Messrs. Rose, Green.	Built at Blackwall, by Messrs. Rose, Green.																																																																																																																																																																																																																																																																		
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Superintending works away.	Final account of hull.	Balance on machinery.	Supervising contract work.	On account of hull, including extras.	On account of machinery.	Royalty on Feedwater purifying apparatus.	Supervision of contract work.	On account of hull, including extras.	On account of machinery.	Royalty on Feedwater purifying apparatus.	Supervision of contract work.	On account of hull, including extras.	On account of machinery.	Royalty on Feedwater purifying apparatus.	Supervision of contract work.	On account of hull, including extras.	On account of machinery.	Royalty on Feedwater purifying apparatus.	Supervision of contract work.	On account of hull, including extras.	On account of machinery.	Royalty on Feedwater purifying apparatus.	Supervision of contract work.	On account of hull, including extras.	On account of machinery.	Royalty on Feedwater purifying apparatus.	Supervision of contract work.	On account of hull, including extras.	On account of machinery.	Royalty on Feedwater purifying apparatus.	Supervision of contract work.																																																																																																																																																																																																																																																																	
13,160	5,870	351	22,314	2,000	160	984	57	9	48	2	5,800	310	277	4,000	310	195	5,482	535	254	44	5,800	310	277	4,000	310	195	5,482	535	254	44	5,800	310	277	4,000	310	195	5,482	535	254	44																																																																																																																																																																																																																																																								
Hull	Hull	Engines and Engineers' Fittings.	Hull	Hull	Engines and Engineers' Fittings.	Boilers and Engineers' Fittings.	{ Hull - - - Masts and Yards	{ Hull - - - Boilers and Engineers' Fittings.	Hull	Hull	Engines and Engineers' Fittings.	Hull	Engines and Engineers' Fittings.	Hull	Engines and Engineers' Fittings.	Hull	Engines and Engineers' Fittings.	Hull	Engines and Engineers' Fittings.	Hull	Engines and Engineers' Fittings.	Hull	Engines and Engineers' Fittings.	Hull	Engines and Engineers' Fittings.	Hull	Engines and Engineers' Fittings.	Hull	Engines and Engineers' Fittings.	Hull	Engines and Engineers' Fittings.	Hull	Engines and Engineers' Fittings.	Hull	Engines and Engineers' Fittings.	Hull	Engines and Engineers' Fittings.	Hull	Engines and Engineers' Fittings.	Hull	Engines and Engineers' Fittings.	Hull	Engines and Engineers' Fittings.	Hull	Engines and Engineers' Fittings.	Hull	Engines and Engineers' Fittings.	Hull	Engines and Engineers' Fittings.	Hull	Engines and Engineers' Fittings.	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PAYMENTS Made and Allowed at the Admiralty charged to the respective Ships and Vessels at other than Her Majesty's Dockyards—continued.

No. 1.—SHIPS BUILDING AND COMPLETING FOR SEA SERVICE—continued.

NAME OF SHIP.	PERIOD within which the Expense was Incurred.		Tonnage.	Horse Power.	Number of Guns.	Place at which the Expense was Incurred.	Detailed Head of Charge.	Steam Machinery for Her Majesty's Ships and Vessels.	Ships Building by Contract.	For Steam Boats to be Ordered.	Salaries, Subsistence, &c. super Ships Build- ing by Contract and other Works.	Purchase of Stores by Captains, &c. for Repairs of Her Majesty's Ships, &c.	TOTAL.	REMARKS.	
	From	To													
	NOT IRON CLAD—continued.														
DISCOVERY -	-	-	93	556	-	- On the 10th Feb. 1875 - Purchased of Messrs. Bairne & Johnson.	Hull - Masts and Yards - Rigging and Stores - Total -	£. - - - -	£. 12,031 700 1,362 14,093	£. - - - -	£. - - - -	£. - - - -	£. 12,031 700 1,362 14,093	Purchase money.	
EMERALD -	-	-	14	(2,100)	8 Feb. 1875	20 Mar. 1875	-	Engines and Engineers' Fittings. Enginers' Stores - Total -	4,150 50 4,200	- - -	- - -	- - -	- - -	£. 4,150 50 4,200	Superintending manufacture of fire- hearth. Superintending manufacture of iron.
EUNYALUS -	-	-	16	(5,250)	23 Mar. " 19 Oct. "	20 Mar. " 20 Mar. "	-	Hull - Boilers and Engineers' Fittings.	- - -	- - -	- - -	- - -	- - -	£. - - -	Supervising contract work.
EXPRESS -	-	-	4	(438)	31 July "	22 Jan. "	Building at Sunder- land, by Messrs. Doxford & Sons. Made by Messrs. Hawthorn.	Hull -	4,800	-	-	-	-	£. 4,800	Final account of hull.
GARNET -	-	-	14	(2,100)	23 Mar. 1874	31 Mar. 1875	-	Engines and Engineers' Fittings. Hull -	310 -	- -	- 283	- -	- 283	£. 310 283	Balance on engines. Supervising contract work.
LILY -	-	-	3	(576)	3 Aug. "	20 Mar. "	Building at Chat- ham.	Hull -	-	-	45	-	45	£. 45	- - ditto - - ditto.
					9 May "	29 Mar. "	Building at Glas- gow, by Messrs. R. Napier & Sons. - ditto -	Hull -	14,160	-	-	-	-	£. 14,160	Final account of hull.
					30 April "	31 Mar. "	Engines and Engineers' Fittings. Hull -	6,490 -	- -	- -	- 362	- -	- 362	£. 6,490 362	On account of machinery. Supervising contract work.

NAME OF SHIP.	Number of Guns.	Horse Power.	Tonnage.	PERIOD within which the Expense was Incurred.		Place at which the Expense was Incurred.	Detailed Head of Charge.	Steam Machinery for Her Majesty's Ships and Vesse ls.	Ships Building by Contract.	For Steam Boats to be Ordered.	Salaries, Subsistence, &c. of Officers super- intending Ships Build- ing by Contract and other Works.	Purchase of Stores by Captains,&c. for Repairs of Her Majesty's Ships, &c.	TOTAL.	REMARKS.
				From	To									
NOT IRON CLAD—continued.														
SAPHO	4	120 (736)	727 (594)	23 May 1874	26 Nov. 1874	Building at Black- wall, by Money, Wigram, & Co. Made by Hum- phreys, Tennant & Co.	Hull - - - - Engines and Engineers' Fittings.	500	-	-	-	-	500	Final account of machinery.
SHELDRAKE	4	(360)	(420)	23 Mar. 1874	14 July 1874	- - - -	Hull - - - -	-	-	-	144	-	144	Supervision of contract work.
				17 Dec. "	30 Mar. 1875	Building at Glas- gow, by Messrs. R. Napier & Sons. - ditto	Hull - - - -	-	-	-	-	-	7,860	On account of hull.
				2 Jan. 1875	29 Mar. "	- - - -	Engines and Engineers' Fittings.	4,180	-	-	-	-	4,180	On account of machinery.
				7 Aug. 1874	20 Mar. "	- - - -	Hull - - - -	-	-	-	125	-	125	Supervision of contract work.
				9 Nov. "	20 Mar. "	- - - -	Boilers and Engineers' Fittings.	-	-	-	19	-	19	Superintending construction.
SNIPER	-	-	20	28 Oct. "	25 Jan. "	Building at Black- wall, by Mr. Watkins.	Hull - - - -	-	-	-	-	-	570	Final account of hull.
				18 Jan. 1875	23 Jan. "	- - - -	Hull - - - -	-	-	-	2	-	2	Superintending firehearth.
STEAM CUTTER, No. 34	-	2½	4½	-	On the 8th June 1874	Building at Cowes, by Mr. J. S. White.	{ Hull - - - - Engines and Engineers' Fittings.	15	-	2	-	-	2	Balance on hull.
				-	On the 27th July 1874	- ditto	{ Hull - - - - Engines and Engineers' Fittings.	45	-	2	-	-	45	Balance on machinery.
STEAM CUTTER, No. 35	-	2½	4½	-	On the 29th July 1874	- ditto	{ Hull - - - - Engines and Engineers' Fittings.	30	-	-	-	-	2	Balance on hull.
				-	On the 29th July 1874	- ditto	{ Hull - - - - Engines and Engineers' Fittings.	30	-	-	-	-	45	Balance on engines.
STEAM CUTTER, No. 36	-	2½	4½	-	On the 6th August 1874	- ditto	{ Hull - - - - Engines and Engineers' Fittings.	30	-	-	-	-	140	Value of hull.
				-	On the 6th August 1874	- ditto	{ Hull - - - - Engines and Engineers' Fittings.	30	-	-	-	-	30	Balance on engines.
STEAM CUTTER, No. 37	-	2½	4½	-	On the 4th August 1874	- ditto	{ Hull - - - - Engines and Engineers' Fittings.	40	-	-	-	-	40	Value of hull.
				-	On the 4th August 1874	- ditto	{ Hull - - - - Engines and Engineers' Fittings.	40	-	-	-	-	130	Balance on engines.
STEAM CUTTER, No. 38	-	3	6	-	On the 20th August 1874	- ditto	{ Hull - - - - Engines and Engineers' Fittings.	280	-	-	-	-	140	Value of hull.
				-	On the 20th August 1874	- ditto	{ Hull - - - - Engines and Engineers' Fittings.	280	-	-	-	-	40	Balance on engines.
STEAM CUTTER, No. 39	-	3	6	-	On the 20th August 1874	- ditto	{ Hull - - - - Engines and Engineers' Fittings.	280	-	-	-	-	320	Value of hull and machinery.
				-	On the 20th August 1874	- ditto	{ Hull - - - - Engines and Engineers' Fittings.	280	-	-	-	-	280	Balance on engines.

STEAM CUTTER, No. 40	-	2½	4½	- On the 30th Oct. 1874 -	- ditto -	{Hull - Engines and Engineers' Fittings.	- 200	-	150	-	-	-	150 200	- ditto - - ditto.
STEAM CUTTER, No. 41	-	2½	4½	- On the 30th Oct. 1874 -	- ditto -	{Hull - Engines and Engineers' Fittings.	- 200	-	150	-	-	-	150 200	- ditto - - ditto.
STEAM CUTTER, No. 42	-	2½	4	- On the 30th Oct. 1874 -	- ditto -	{Hull - Engines and Engineers' Fittings.	- 200	-	150	-	-	-	150 200	- ditto - - ditto.
STEAM CUTTER, No. 43	-	2½	4½	- On the 26th Nov. 1874 -	- ditto -	{Hull - Engines and Engineers' Fittings.	- 200	-	150	-	-	-	150 200	- ditto - - ditto.
STEAM CUTTER, No. 44	-	2½	4	- On the 26th Nov. 1874 -	- ditto -	{Hull - Engines and Engineers' Fittings.	- 200	-	150	-	-	-	150 200	- ditto - - ditto.
STEAM CUTTER, No. 45	-	2½	4½	- On the 26th Nov. 1874 -	- ditto -	{Hull - Engines and Engineers' Fittings.	- 200	-	150	-	-	-	150 200	- ditto - - ditto.
STEAM CUTTER, No. 46	-	2½	4½	- On the 9th Feb. 1875 -	- ditto -	{Hull - Engines and Engineers' Fittings.	- 200	-	150	-	-	-	150 200	- ditto - - ditto.
STEAM CUTTER, No. 47	-	2½	4½	- On the 1st March 1875 -	- ditto -	{Hull - Engines and Engineers' Fittings.	- 200	-	150	-	-	-	150 200	- ditto - - ditto.
STEAM CUTTER, No. 48	-	2½	4½	- On the 1st March 1875 -	- ditto -	{Hull - Engines and Engineers' Fittings.	- 200	-	150	-	-	-	150 200	- ditto - - ditto.
STEAM CUTTER, No. 49	-	2½	4½	- On the 31st March 1875 -	- ditto -	{Hull - Engines and Engineers' Fittings.	- 200	-	150	-	-	-	150 200	Advance on value of hull. Value of machinery.
STEAM CUTTER, No. 50	-	2½	4½	- On the 31st March 1875 -	- ditto -	{Hull - Engines and Engineers' Fittings.	- 200	-	150	-	-	-	150 200	Advance on value of hull. Value of machinery.
STEAM CUTTER, No. 51	-	2½	5	- On the 31st March 1875 -	- ditto -	{Hull - Engines and Engineers' Fittings.	- 200	-	150	-	-	-	150 200	Advance on value of hull. Value of machinery.
STEAM CUTTER, No. 52	-	3	6	- On the 30th Oct. 1874 -	- ditto -	{Hull - Engines and Engineers' Fittings.	- 250	-	215	-	-	-	215 250	{Value of hull and machinery.
STEAM CUTTER, No. 53	-	2½	-	- On the 31st March 1875 -	- ditto -	{Hull - Engines and Engineers' Fittings.	- 180	-	114	-	-	-	114 180	On account of hull. Value of machinery.
STEAM CUTTER, No. 54	-	2½	-	- On the 31st March 1875 -	- ditto -	{Hull - Engines and Engineers' Fittings.	- 180	-	114	-	-	-	114 180	On account of hull. Value of machinery.
STEAM CUTTER, No. 55	-	2½	-	- On the 31st March 1875 -	- ditto -	{Hull - Engines and Engineers' Fittings.	- 180	-	33	-	-	-	33 180	On account of hull. Value of machinery.

No. 1.—SHIPS BUILDING AND COMPLETING FOR SEA SERVICE—continued.

NAME OF SHIP.	Number of Guns.	Horse Power.	Tonnage.	PERIOD within which the Expense was Incurred.		Place at which the Expense was Incurred.	Detailed Head of Charge.	Steam Machinery for Her Majesty's Ships and Vessels.	Ships Building by Contract.	For Steam Boats to be Ordered.	Salaries, &c., of superintending Shipbuilding by Contract and other Works.	Purchase of Stores by Consuls, &c. for Repairs of Her Majesty's Ships, &c.	TOTAL.	REMARKS.
				From	To									
NOT IRON CLADS—continued.														
STEAM CUTTER, No. 56	—	1½	4½	On the 9th Feb. 1875		Building at Cowes, by Mr. J. S. White.	{ Hull - - - Engines and Engineers' Fittings.	£. — 180	£. — —	£. 170 —	£. — —	£. — —	£. 170 180	{ Value of hull and machinery.
STEAM CUTTER, No. 57	—	3	7	On the 31st March 1875		ditto	{ Hull - - - Engines and Engineers' Fittings.	£. — 250	£. — —	£. 215 —	£. — —	£. — —	£. 215 250	Advance on hull. Value of engines.
STEAM CUTTER, No. 58	—	2½	—	On the 31st March 1875		ditto	{ Hull - - - Engines and Engineers' Fittings.	£. 230	£. — —	£. — —	£. — —	£. — —	£. 230	- - ditto.
STEAM CUTTER, No. 59	—	2½	—	On the 31st March 1875		ditto	{ Hull - - - Engines and Engineers' Fittings.	£. 230	£. — —	£. — —	£. — —	£. — —	£. 230	- - ditto.
STEAM CUTTER, No. 60	—	1½	3	On the 31st March 1875		ditto	{ Hull - - - Engines and Engineers' Fittings.	£. — 180	£. — —	£. 170 —	£. — —	£. — —	£. 170 180	Advance on hull. Value of engines.
STEAM LAUNCH, No. 82	—	—	—	11 Feb. 1875 31 Mar. 1875		Building at Blackwall, by Mr. Watkins.	Hull - - - -	£. — —	£. — —	£. — —	£. 5 —	£. — —	£. 5	Supervision of contract work.
STEAM PINNACE, No. 58	—	7½	13	27 Jan. " 31 Mar. "		Building at Chiswick, by J. Thomecroft & Co.	{ Hull - - - Engines and Engineers' Fittings.	£. 613	£. — —	£. 371 —	£. — —	£. — —	£. 371 613	On account of hull. Value of machinery.
STEAM PINNACE, No. 60	—	4½	7½	On the 17th June 1874		Building at Cowes, by Mr. J. S. White.	{ Hull - - - Engines and Engineers' Fittings.	£. — 20	£. — —	£. 5 —	£. — —	£. — —	£. 5 20	{ Balance on hull and machinery.
STEAM PINNACE, No. 61	—	4½	7½	On the 17th August 1874		ditto	{ Hull - - - Engines and Engineers' Fittings.	£. — 25	£. — —	£. 91 —	£. — —	£. — —	£. 91 25	- - ditto - - ditto.
STEAM PINNACE, No. 62	—	4½	7½	On the 30th October 1874		ditto	{ Hull - - - Engines and Engineers' Fittings.	£. — 105	£. — —	£. 237 —	£. — —	£. — —	£. 237 105	Balance on hull. On account of machinery.
STEAM PINNACE, No. 63	—	4½	7½	On the 3rd March 1875		Building at Blackwall, by Mr. Watkins.	{ Hull - - - Engines and Engineers' Fittings.	£. — 160	£. — —	£. 100 —	£. — —	£. — —	£. 100 160	{ Balance on hull and machinery.
STEAM PINNACE, No. 64	—	4½	7½	1 April 1874 26 Oct. 1874		—	Hull - - - -	£. — —	£. 14 —	£. — —	£. — —	£. — —	£. 14	Supervision of contract work.
				On the 3rd March 1875		Building at Blackwall, by Mr. Watkins.	{ Hull - - - Engines and Engineers' Fittings.	£. — 160	£. — —	£. 135 —	£. — —	£. — —	£. 135 160	{ Balance on hull and machinery.
STEAM PINNACE, No. 64	—	4½	7½	1 April 1874 26 Oct. 1874		—	Hull - - - -	£. — —	£. 14 —	£. — —	£. — —	£. — —	£. 14	Supervision of contract work.

STEAM PINNACE, No. 65	-	6	13	On the 7th November 1874	Building at Cowes, by Mr. J. S. White.	{ Hull - - - - - { Engines and Engineers' Fittings.	-	460	-	375	-	-	-	{ Value of hull and engines. 375 460
STEAM PINNACE, No. 66	-	6	13	On the 23rd Dec. 1874	-	{ Hull - - - - - { Engines and Engineers' Fittings.	-	460	-	375	-	-	-	{ - - ditto - - ditto. 375 460
STEAM PINNACE, No. 67	-	-	-	28 Oct. 1874	31 Mar. 1875	{ Hull - - - - - { Engines and Engineers' Fittings.	-	440	-	328	-	-	-	{ - - ditto - - ditto. 328 440
STEAM PINNACE, No. 68	-	-	-	On the 31st March 1875	Building at Cowes, by Mr. J. S. White.	{ Hull - - - - - { Engines and Engineers' Fittings.	-	430	-	47	-	-	-	Advance on hull. Value of engines. 47 430
STEAM PINNACE, No. 69	-	6	13½	28 Oct. 1874	31 Mar. 1875	{ Hull - - - - - { Engines and Engineers' Fittings.	-	395	-	315	-	-	-	Value of hull. On account of engines. 315 395
STEAM PINNACE, No. 70	-	6	14	1 April	26 Oct. 1874	Hull - - - - -	-	-	14	-	-	-	-	Supervision of contract work. 14
STEAM PINNACE, No. 71	-	-	-	28 Oct.	31 Mar. 1875	{ Hull - - - - - { Engines and Engineers' Fittings.	-	415	-	315	-	-	-	Value of hull. On account of engines. 315 415
	-	6	14	1 April	26 Oct. 1874	Hull - - - - -	-	-	14	-	-	-	-	Supervision, &c. 14
	-	-	-	On the 31st March 1875	Building at Cowes, by Mr. J. S. White.	{ Hull - - - - - { Engines and Engineers' Fittings.	-	320	-	98	-	-	-	Advance on hull. Value of engines. 98 320
TOURMALINE	-	14	(2,700)	18 Jan. 1875	29 Mar. 1875	Hull - - - - -	-	19,000	-	-	-	-	-	{ On account of hull and machinery. 19,000
	-	-	-	On the 25th March 1875	Building at Sunderland, by Raylton, Dixon & Co. Made by R. & W. Hawthorn.	Engines and Engineers' Fittings.	-	10,000	-	-	-	-	-	10,000
	-	-	-	15 July 1874	31 Mar. 1875	Hull - - - - -	-	-	306	-	-	-	-	Supervision of contract work. 306
TURQUOISE	-	-	-	19 Jan. 1875	31 Mar. "	{ Hull - - - - - { Engines and Engineers' Fittings.	-	7,500	-	-	-	-	-	{ On account of hull and machinery. 22,600
	-	-	-	On the 31st March 1875	Building at Hull, by Earle's Ship-building and Engineering Company.	Engines and Engineers' Fittings.	-	7,500	-	-	-	-	-	7,500
	-	-	-	1 July 1874	20 Mar. 1875	Hull - - - - -	-	-	366	-	-	-	-	Supervision of contract work. 366
	-	-	-	25 Mar. 1875	30 Mar. "	Hull - - - - -	-	-	-	-	-	-	-	8,950
WILD SWAN	-	-	-	On the 29th March 1875	Building at Glasgow, by Messrs. R. Napier & Son. Made by Messrs. R. & W. Hawthorn.	Engines and Engineers' Fittings.	-	2,090	-	-	-	-	-	{ On account of hull and machinery. 2,090
	-	-	-	12 Sept. 1874	31 Mar. 1875	Hull - - - - -	-	-	72	-	-	-	-	Supervision of contract work. 72
TOTAL							-	-	264,996	6,367	7,328	7,385	280,810	278,691
							-	-	700	-	57	-	-	757
							-	-	1,362	-	-	-	-	1,362
							-	-	267,058	6,367	7,385	-	-	280,810
							103,648	-	-	-	-	-	-	103,648
							160	-	-	289	-	-	-	449
							50	-	-	-	-	-	-	50
							103,858	-	-	289	-	-	-	104,147
TOTAL							-	-	-	-	-	-	-	-
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No. 2.—WEAR AND TEAR AND MAINTENANCE OF THE FLEET, IN COMMISSION AND IN RESERVE, including REPAIRS, REFITS, ALTERATIONS, WORKS rendered necessary by NEW ARMAMENTS, and the RENEWAL of WORN-OUT and PERISHABLE STORES, such as RIGGING, ROPE, SAILS, BLOCKS, &c.

NAME OF SHIP.	Number of Guns.	Horse Power.	Tonnage.	PERIOD within which the Expense was Incurred.		Place at which the Expense was Incurred.	Detailed Head of Charge.	Steam Machinery for Her Majesty's Ships and Vessels.	Ships Building by Contract.	Repairs of Ships at other than Her Majesty's Dockyards.	Salaries, Subsistence, &c. of Officers superintending Ships Building by Contract and other Works.	Purchase of Stores by Consuls, Captains, &c., for Repairs, of Her Majesty's Ships, &c.	TOTAL.	REMARKS.
				From	To									
IRON CLADS BUILT BY CONTRACT:														
I.—COMMISSION:														
AGING COURT - - -	28	1,350 (6,867)	6,621 (40,627)	1 Apr. 1874	31 Mar. 1875	Lisbon, Inverness, and Carrickfergus.	Rigging and Stores -	-	-	-	-	£. 3	£.	Supplies.
AUDACIOUS - - -	14	800 (4,021)	3,774 (6,034)	1 Oct. "	31 Mar. "	Singapore -	Engineers' Stores -	-	-	-	-	5	5	- ditto.
HECTOR - - -	18	800 (3,265)	4,089 (6,713)	22 June "	20 Mar. "	Pembroke and Portsmouth.	Hull - - -	-	-	-	9	-	9	Supervision of contract work.
INVINCIBLE - - -	14	800 (4,832)	3,774 (6,034)	{ 1 April "	30 Sept. "	Barcelona and Valentia.	Rigging and Stores -	-	-	-	-	1	1	Supplies.
				{ On the 2nd Dec. 1874		Glasgow -	Engines and Engineers' Fittings.	-	-	65	-	-	65	Repairs.
RESISTANCE - - -	16	600 (2,428)	3,710 (6,070)	1 May 1874	31 Mar. 1875	Madeira, Lisbon, and Invergorden.	Rigging and Stores -	-	-	-	-	5	5	Supplies.
VALIANT - - -	18	800 (3,560)	4,063 (6,713)	1 April "	31 Mar. "	Liverpool and Limerick.	{ Masts and Yards -	-	-	-	-	2	2	ditto.
							{ Rigging and Stores -	-	-	-	-	6	6	
							Total - - - £.	-	-	-	-	8	8	
VANGUARD - - -	14	800 (5,312)	3,774 (6,034)	1 April "	31 Mar. "	Kingston -	{ Hull - - -	-	-	-	-	2	2	ditto.
							{ Rigging and Stores -	-	-	-	-	8	8	
							Total - - - £.	-	-	-	-	10	10	
							Hull - - -	-	-	-	9	2	11	
							Masts and Yards -	-	-	-	-	2	2	
							Rigging and Stores -	-	-	-	-	23	23	
							TOTAL - - - £.	-	-	-	9	27	36	
							Engines and Engineers' Fittings.	-	-	65	-	-	65	
							Engineers' Stores -	-	-	-	-	5	5	
							TOTAL - - - £.	-	-	65	-	5	70	

IRON CLADS BUILT IN HER MAJESTY'S DOCKYARDS:

IN COMMISSION:

O.1.

IRON CLADS BUILT IN HER MAJESTY'S DOCKYARDS:																		
IN COMMISSION:																		
ACHILLES	-	-	16	1,250 (5,722)	6,121 (9,694)	1 April 1874	31 Jan. 1875	{ Portland mouth, and Wey-	Hull Rigging and Stores	-	-	1	-	-	12	12	13	Casual repairs and supplies.
Total - - £.																		
CALEDONIA	-	-	24	1,000 (4,538)	4,125 (6,892)	1 April "	31 Mar. "	Liverpool and Rock Ferry.	{ Engines and Engineers' Fittings, Engineers' Stores - -	-	-	-	-	-	10*	15	25	Supplies. *Propeller shaft supplied.
FAVORITE	-	-	10	400 (1,773)	2,094 (3,232)	1 April "	31 Mar. "	Leith - -	{ Rigging and Stores - -	-	-	-	-	-	22	22	22	Supplies.
HERCULES	-	-	14	1,200 (8,529)	5,234 (8,677)	29 Aug. "	19 Dec. 1874	Portsmouth - -	Hull - -	-	-	-	-	-	22	-	-	Supervision of contract work.
IRON DUKE	-	-	14	800 (4,268)	3,787 (6,034)	{ 1 April, " 29 May " 1 Jan. 1875 1 April 1874	{ 30 Dec. " 5 June " 31 Jan. 1875 31 Mar. "	{ Hong Kong - Yokoska - Singapore - Port Said, Yoko- hama, Nagasaki, and Hokodadi.	{ Hull - - Hull - - Hull - - Rigging and Stores	-	-	8 693 19 -	-	-	-	28	28	8 693 19 28 Docking, caulking, and casual repairs. Supplies.
LORD WARDEN	-	-	18	1,000 (6,706)	4,080 (7,812)	1 April "	31 Mar. "	Malta - -	{ Hull - - Rigging and Stores	-	-	16 -	-	-	-	47	47	16 47 Casual supplies and repairs.
MONARCH	-	-	7	1,100 (7,842)	5,102 (8,322)	1 Oct. "	31 Mar. "	Lisbon - -	{ Rigging and Stores - -	-	-	-	-	-	-	2	2	2 Casual supplies.
PALLAS	-	-	8	600 (3,581)	2,372 (3,787)	1 April "	30 Sept. 1874	The Piræus - -	{ Rigging and Stores - -	-	-	-	-	-	-	1	1	1 Supplies.
PENELOPE	-	-	11	600 (4,703)	3,096 (4,394)	{ 23 Mar. " 1 April "	{ 30 Jan. 1875 31 Dec. 1874	{ Portsmouth - Harwich -	{ Hull - - Rigging and Stores - -	-	-	-	-	91	-	5	91 5 Supervision of contract work. Supplies.	
REPULSE	-	-	12	800 (3,347)	3,749 (6,190)	1 July "	31 Mar. 1875	Calloa, Payta, and Panama.	{ Rigging and Stores - -	-	-	-	-	-	-	132	132	- ditto.
RESEARCH	-	-	4	200 (1,042)	1,253 (1,744)	1 Jan. 1875	31 Mar. "	Barcelona - -	{ Hull - - Rigging and Stores - -	-	-	2 -	-	-	-	1	1	2 1 Repairs and supplies.
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PAYMENTS Made and Allowed at the Admiralty charged to the respective Ships and Vessels at other than Her Majesty's Dockyards—continued.

No. 2.—WEAR AND TEAR AND MAINTENANCE OF THE FLEET, IN COMMISSION AND IN RESERVE, including REPAIRS, REFITS, ALTERATIONS, &c.—continued.

NAME OF SHIP.	Number of Guns.	Horse Power.	Tonnage.	PERIOD within which the Expense was Incurred.		Place at which the Expense was Incurred.	Detailed Head of Charge.	Steam Machinery for Her Majesty's Ships and Vessels.	Ships Building by Contract.	Repairs of Ships at other than Her Majesty's Dockyards.	Salaries, &c. of Officers superintending Ships Building by Contract and other Works.	Purchase of Stores by Consuls, Captains, &c., for Repairs, of Her Majesty's Ships, &c.	TOTAL.	REMARKS.
				From	To									
NOT IRON CLAD:														
In Commission:														
ACTIVE	-	600 (4,015)	2,322 (3,078)	1 Oct. 1874	31 Dec. 1874	Cape of Good Hope	Rigging and Stores	-	-	-	-	-	£. 9	Supplies.
ADDER	-	-	70	1 Oct. "	31 Mar. 1875	Harwich	Rigging and Stores	-	-	-	-	-	32	ditto.
ADELAIDE	-	-	18	-	On the 26th Nov. 1874	Repaired at Portsmouth by Mr. J. Read.	Hull	-	-	164	-	-	164	Repairs.
ADVENTURE	-	400 (1,227)	1,794 (2,510)	1 Oct. 1874	31 Dec. 1874	Sydney	{ Hull - - - Engines and Engineers' Fittings.	-	-	30 4	-	-	30 4	{ Caulking, and casual repairs.
				23 Dec. "	21 Jan. 1875	Hong Kong	Hull	-	-	13	-	13		
ALACRITY	-	-	85	1 July "	31 Mar. "	Sydney	{ Hull - - - Masts and Yards - Rigging and Stores	-	-	307 10 16	-	-	307 10 16	Docking and undocking, and casual repairs and supplies.
				-	-	Total - - £.	-	-	333	-	333			
ALBATROSS	-	120 (338)	727 (394)	1 April "	30 Sept. 1874	Oeunga	Masts and yards	-	-	-	-	3	3	Supplies.
				1 April "	31 Mar. 1875	Madeira and Val-paraiso.	Rigging and Stores	-	-	-	-	20	20	
ALBERTA	-	160 (1,208)	391 (-)	23 Mar. "	16 May 1874	Portsmouth	Hull	-	-	-	7	-	7	Supervision of contract work.
AMELIA	-	60 (189)	318 (357)	On the 30th Mar. 1874	1874	Bertmondsey (Messrs. Mills & Knight).	Hull	-	-	2,500	-	-	2,500	Repairs.
				5 Dec. 1874	20 Mar. 1875	Sheerness	Hull	-	-	-	-	90	-	90
AMETHYST	-	350 (2,444)	1,405 (1,890)	1 Oct. "	31 Mar. "	{ Rio de Janeiro Buenos Ayres	{ Hull - - - Engines and Engineers' Fittings.	-	-	3	-	-	3	Repairs.
				1 Oct. "	31 Mar. "	Therapia	Rigging and Stores	-	-	-	-	5	5	Casual supplies.
ANTELOPE	-	200 (646)	650 (-)	1 Oct. "	31 Mar. "	Portsmouth	Rigging and Stores	-	-	-	-	-	1	ditto.
				19 Oct. "	28 Nov. 1874	Boilers and Engineers' Fittings.	-	-	-	7	7	Supervision of contract work.		
AURORA	-	400 (1,576)	2,558 (3,582)	1 Oct. "	31 Mar. 1875	Glasgow	{ Hull - - - Rigging and Stores	-	-	-	-	3 2	3 2	Supplies.
				-	-	Total - - £.	-	-	-	-	5	5		

PAYMENTS Made and Allowed at the Admiralty charged to the respective Ships and Vessels at other than Her Majesty's Dockyards—*continued.*No. 2.—WEAR AND TEAR AND MAINTENANCE OF THE FLEET, IN COMMISSION AND IN RESERVE, including REPAIRS, REBUILTS, ALTERATIONS, &c.—*continued.*

NAME OF SHIP.	Number of Guns.	Horse Power.	Tonnage.	PERIOD within which the Expense was Incurred.		Place at which the Expense was Incurred.	Detailed Head of Charge.	Steam Machinery for Her Majesty's Ships and Vessels.	Ships Building by Contract.	Repairs of Ships at other than Her Majesty's Dockyards.	Salaries, Subsidence, &c. of Officers superintending Ship Building by Contract and other Works.	Purchase of Stores by Consuls, Captains, &c. for Repairs of Her Majesty's Ships, &c.	TOTAL.	REMARKS.
				From	To									
NOT IRON CLAD—continued.														
IN COMMISSION—continued.														
BULLFINCH	3	160 (985)	664 (774)	20 July 1874	24 Oct. 1874	Portsmouth	Hull	—	—	—	1	—	1	Supervision of contract work.
BULLFROG	2	60 (268)	236 (284)	1 April	31 Mar. 1875	North Shields	Hull	—	—	1	—	—	1	Repairs and supplies.
							Rigging and Stores	—	—	—	—	3	3	
							Total	—	—	1	—	—	4	
							Engines and Engineers' Fittings.	—	—	3	—	—	3	
CADMUS	17	400 (1,534)	1,466 (2,167)	1 April	30 Sept. 1874	Singapore	Rigging and Stores	—	—	—	—	25	25	Small repairs and supplies. Making good a leak.
				1 June	30 June	Nagasaki	Hull	—	—	20	—	—	20	
CAMELEON	7	100 (424)	751 (1,045)	1 April	31 Mar. 1875	Honolulu, Panama, &c.	Rigging and Stores	—	—	—	—	141	141	Cleaning bottom, and stores supplied.
				1 Aug.	31 Aug. 1874	Panama	Enginers' Stores	—	—	—	—	83	83	
							Hull	—	—	18	—	—	18	
CASTOR	13	—	1,293 (1,808)	1 April	31 Jan. 1875.	North Shields	Rigging and Stores	—	—	—	—	100	100	Repairs and supplies.
				On the 19th March 1875	March 1875		Hull	—	—	291	—	—	291	
				1 April 1874	31 Mar. "	Wellington, Dobbo, Manilla, and Banda.	Rigging and Stores	—	—	—	—	29	29	
							Hull	—	—	165	—	—	165	
							Engines and Engineers' Fittings.	—	—	20	—	—	20	
							Boilers and Engineers' Fittings.	—	—	45	—	—	45	
CHALLENGER	4	400 (1,564)	1,462 (2,306)	1 April	30 June 1874	Sydney	Total	—	—	65	—	—	65	Casual repairs and supplies.
							Hull	—	—	11	—	—	11	
				24 Nov.	20 Dec.	Hong Kong	Boilers and Engineers' Fittings.	—	—	6	—	—	6	

CHARGE	On the 7th July 1874 - mouth by Mr. J. Banks.	Repaired at Ply- mouth by Mr. J. Banks.	Hull	235	235	Repairs.
			{ Rigging and Stores Engineers' Stores -	28 27	28 27	Supplies.
CHARVEDIS.	1 April 1874	31 Mar. 1875	Hull	2,823	2,823	Decking, and general repairs.
			{ Rigging and Stores Total - - £.	1 2,824	1 2,824	
	1 July	31 Mar. "	Engines and Engineers' Fittings. Engineers' Stores -	89 13	89 13	
			Total - - £.	102	102	
CLYDE	1 April 18 Jan. 1875	30 Sept. 1874 23 Jan. 1875	Rigging and Stores - Hull	13	13	Supplies. Supervision of contract work.
			{ Rigging and Stores Engines and Engineers' Fittings.	1 4	1 4	Repairing gauge pipe, &c.
COOKATRICE	1 Aug. 1874	31 Aug. 1874	{ Masts and Yards Rigging and Stores	1 184	1 184	Casual supplies and repairs.
	1 May	31 Oct. "	Total - - £.	185	185	
COLUMBINE.	1 Sept.	30 Nov. "	{ Hull Engineers' Stores -	77	77	Repairs.
	1 April	31 Mar. 1875	Hull	94	94	
CONFLICT	1 Feb. 1875	28 Feb. "	Hull	6	6	Repairs and supplies.
	1 Aug. 1874	30 Aug. 1874	Hull	5	5	
CRACKER	1 April	30 Nov. 1875	Rigging and Stores -	70	70	
			Rigging and Stores -	2	2	Supplies.
CROMER	1 Oct.	31 Mar. "	Hull	92	92	Caulking, and general repairs.
	1 April	30 Nov. 1874	Hull	135	135	Casual repairs.
DÆDALUS	1 Jan. 1875	31 Mar. 1875	Hull	111	111	Repairs and supplies.
			{ Rigging and Stores Total - - £.	234 345	234 345	
DAPHNE	1 April 1874	31 Mar. "	Engineers' Stores -	10	10	
DARING	On the 21st Sept. 1874		Hull	70	70	Coating beams, &c.

PAYMENTS Made and Allowed at the Admiralty charged to the respective Ships and Vessels at other than Her Majesty's Dockyards continued.

No. 2.—WEAR AND TEAR AND MAINTENANCE OF THE FLEET, IN COMMISSION AND IN RESERVE, including REPAIRS, REFITS, ALTERATIONS, &c.—continued.

NAME OF SHIP.	Number of Guns.	Horse Power.	Tonnage.	PERIODS within which the Expense was Incurred.		Place at which the Expense was Incurred.	Detailed Head of Charge.	Steam Machinery for Her Majesty's Ships and Vessels.	Ships Building by Contract.	Repairs of Ships at other than Her Majesty's Dockyards.	Salaries, &c. of Officers super- intending ships Build- ing by Contract and other Works.	Purchase of Stores by Consuls, Captains,&c. for Repairs of Her Majesty's Ships, &c.	TOTAL.	REMARKS.	
				From	To										
NOT IRON CLAD—continued.															
IN COMMISSION—continued.															
DAUNTLESS -	9	Late 580 (1,305)	1 575 (2,457)	1 July 1874	31 Mar. 1875	Hull - - -	Rigging and Stores -	£. -	£. -	£. -	£. -	£. 5	5	Supplies.	
DECOY -	4	60 (450)	295 (490)	1 April "	30 Sept. 1874	Banana Creek -	Rigging and Stores -	-	-	-	-	8	8	- ditto.	
DESMOND -	-	-	70	1 April "	30 June "	West Cowes -	Hull - - -	-	-	213	-	-	213	General repairs.	
						Hull - - -	-	-	-	13	-	-	13		
						{ Engines and Engineers' Fittings. Boilers and Engineers' Fittings.	-	-	-	2,044*	-	-	2,044*	General repairs. * Including value of a new cylinder and piston, supplied.	
DIDO -	8	350 (2,318)	1,277 (4,755)	1 April "	31 Mar. 1875	Total - - £.	-	-	-	2,180	-	-	2,180		
						{ Rigging and Stores	-	-	-	-	-	10	10	{ Supplies.	
						{ Engineer's Stores	-	-	-	-	-	19	19	{	
DRUID -	10	350 (2,372)	1,322 (4,870)	1 Oct. "	31 Mar. "	Demerara (St. Thomas).	Rigging and Stores	-	-	-	-	10	10	- ditto.	
						Hull - - -	-	-	-	-	1	-	1	Supervision of contract work.	
DUKE OF WELLINGTON	25	700 (4,999)	3,771 (6,074)	6 April "	11 April 1874	Portsmouth -	Rigging and Stores	-	-	-	-	1	1	Small supplies.	
						Portsmouth -	-	-	-	-	-	-	-		
						1 April "	{ Hull - - - Rigging and Stores	-	-	-	-	1	1	{	
						31 Mar. "	Total - £.	-	-	-	-	3	3	Casual repairs and supplies.	
DURHAM -	17	-	1,027 (4,815)	1 April "	31 Dec. 1874	Sunderland -	Hull - - -	-	-	6	-	-	6	Supervision of contract work.	
						Portsmouth -	Hall - - -	-	-	-	3	-	3		

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PAYMENTS Made and Allowed at the Admiralty charged to the respective Ships and Vessels at other than Her Majesty's Yards—continued.

No. 2.—WEAR AND TEAR AND MAINTENANCE OF THE FLEET, IN COMMISSION AND IN RESERVE, including REPAIRS, REFITS, ALTERATIONS, &c.—continued.

NAME OF SHIP.	Number of Guns.	Horse Power.	Tonnage.	PERIOD within which the Expense was incurred.		Place at which the Expense was Incurred.	Detailed Head of Charge.	Steam Machinery for Her Majesty's Ships and Vessels.	Ships Building by Contract.	Repairs of Ships at other than Her Majesty's Dockyards.	Salaries, Subsistence, &c. of Officers super- intending Ships Build- ing by Contract and other Works.	Purchase of Stores by Captains, &c. for Repairs of Her Majesty's Ships, &c.	TOTAL.	REMARKS.	
				From	To										
NOT IRON CLAD.—continued.															
IN COMMISSION.—continued.															
FLINT	-	4	464 (584)	-	On the 17th August 1874	Repaired at Greenock by G. Steel & Co.	Boilers and Engineers' Fittings.	-	-	667	-	-	667	Repairs.	
FLY (Coast Cruiser).	-	-	60	-	On the 26th October 1874 1 April 1874 30 June 1874 1 Jan. 1875 31 Mar. 1875	Gosport - Killybegs - Liverpool -	Hull - - - Hull - - - Rigging and Stores -	- - -	- - -	585 1 -	- - -	- - 2	585 1 2	- ditto. - ditto. Supplies.	
FOAM	-	4	295 (406)	-	1 Oct. 1874 31 Mar. "	Lagos -	Engineers' Stores -	-	-	-	-	22	22	- ditto.	
FORTE	-	24	2,364 (3,539)	-	1 April " 31 Mar. "	Suez -	Hull - - -	-	-	110	-	-	110	Docking, &c.	
FROLIC	-	4	462 (592)	-	1 April " 3 Mar. "	Hong Kong -	Hull - - -	-	-	290	-	-	290	Docking, and casual re- pairs.	
GANGES	-	19	2,285 (3,594)	-	1 July " 31 Mar. "	Falmouth -	Rigging and Stores -	-	-	-	-	2	2	Supplies.	
GLASGOW	-	28	3,037 (4,020)	-	1 April " 31 Dec. 1874 1 April " 31 Aug. " 1 Aug. " 31 Aug. " - On the 2nd October 1874 -	Bombay and Zanzibar Bombay - Kurrachee - Zanzibar -	Rigging and Stores { Hull - - - Engines and Engineers' Fittings. { Boilers and Engineers' Fittings. Engines and Engineers' Fittings.	- - - -	- - - -	- 565 332 19 14 10*	- - - - -	1,169 - - -	1,169 565 332 19 14 10*	Casual repairs and sup- plies. (*Crank shaft for donkey engine.)	
GNAT	-	-	10	-	- On the 2nd July 1874 -	Repaired at Ports- mouth by Mr. D. Robinson.	Hull - - -	-	-	21	-	-	21	Repairs.	
GOSHAWK	-	4	295 (484)	-	1 Dec. 1874 31 Dec. 1874	Cork -	Hull - - -	-	-	28	-	-	28	- ditto.	
GROWLER	-	4	464 (584)	-	1 April " 30 Sept. " 1 Oct. " 31 Mar. 1875	Hong Kong - Amoy -	{ Hull - - - Rigging and Stores -	- -	- -	196 -	- -	- 4	196 4	Docking and repair- ing. Casual supplies.	

O. I.	HART	4	120 (608)	464 (584)	1 April 1 July	31 Mar. 30 Sept. 1874	Singapore Singapore	{ Rigging and Stores - Engineers' Stores - Boilers and Engineers' Fittings.	— — — —	— — — —	— — — —	— — — —	2 17 85	{ Supplies. Casual repairs.
					- On the 19th March 1875	-	Cowes (Isle of Wight)	Hull	-	-	-	-	930	Repairs.
	HAWK (Coast Guard Cruiser).	1	70 (434)	372 (460)	1 April 1874	30 June 1874	Cospique (Mala)	Hull	-	-	-	-	6	Paving galley.
	HELICON	2	250 (4,610)	837 (985)	1 April 1874	30 June 1874	Cospique (Mala)	Hull	-	-	-	-	1	Supervision of contract work.
	HIMALAYA	3	700 (2,556)	3,453 (4,490)	15 Mar. 1875	20 Mar. 1875	Pembroke	Hull	-	-	-	-	169 1 6 8 13 2 7	Repairs.
					2 Dec. 1874	31 Jan.	Hong Kong	Hull	-	-	-	-	12	Docking, casual repairs, and supplies.
					1 April "	30 Sept. 1874	Swatow	{ Engines and Engineers' Fittings.	-	-	-	-	56	
					1 Sept. "	31 Dec.	Tientsin	Hull	-	-	-	-	68	
					1 July "	31 Mar. 1875	Shanghai	{ Engines and Engineers' Fittings.	-	-	-	-	12	
	HONNET	4	120 (506)	464 (584)	1 July "	30 July 1874	Amoy	{ Engines and Engineers' Fittings. Boilers and Engineers' Fittings.	-	-	-	-	68	
					1 April "	31 Dec.	Nagasaki, Amoy, and Tientsin.	{ Rigging and Stores - Engineers' Stores -	-	-	-	-	6 18	Repairs.
	IMOGENE (Coast Guard Cruiser).	1	60 (485)	300 (—)	14 Oct. "	30 Mar. 1875	Birkenhead	Hull	-	-	-	-	2,040	Supervision of contract work. Supplies.
	IMPREGNABLE	26	—	2,406 (3,886)	30 Dec. "	20 Feb. "	Portsmouth	Hull	-	-	-	-	3	Repairs and supplies.
					1 Jan. 1875	30 Mar. "	Devonport	Rigging and Stores	-	-	-	-	2	Casual repairs.
					1 April 1874	31 Jan.	Greenock, Oban, and Aberdeen.	Rigging and Stores	-	-	-	-	5	Supervision of contract work.
	JACKAL	1	150 (455)	340 (—)	1 April "	30 Sept. 1874	Aberdeen	Hull	-	-	-	-	24	Repairs and supplies.
					1 Nov. "	31 Dec.	Leith	Hull	-	-	-	-	1	Casual repairs.
					1 Jan. 1875	31 Jan. 1875	Rothsay	Hull	-	-	-	-	60	Supervision of contract work.
	JULIA	—	—	15	1 April 1874	30 June 1874	Plymouth	Hull	-	-	-	-	36	Repairs and supplies.
	JUNO	8	400	1,462	27 April "	17 Oct. "	Devonport	Boilers and Engineers' Fittings.	-	-	-	-	1	Casual repairs.
	KESTREL	4	100 (835)	462 (592)	1 July "	30 Sept. "	Hong Kong	{ Hull - Rigging and Stores -	-	-	-	-	2	Supervision of contract work.
							Total	Total	-	-	-	-	2	Repairs and supplies.

No. 2.—WEAR AND TEAR AND MAINTENANCE OF THE FLEET, IN COMMISSION AND IN RESERVE, including REPAIRS, REFITS, ALTERATIONS, &c.—continued.

NAME OF SHIP.	Number of Guns.	Horse Power.	Tonnage.	PERIOD within which the Expense was Incurred.		Place at which the Expense was Incurred.	Detailed Head of Charge.	Steam Machinery for Her Majesty's Ships and Vessels.	Ships Building by Contract.	Repairs of Ships at other than Her Majesty's Dockyards.	Salaries, Subsidence of Officers &c. superintending Ships Build- ing by Contract and other Works.	Purchase of Stores by Consuls, Captains, &c. for Repairs of Her Majesty's Ships, &c.	TOTAL.	REMARKS.
				From	To									
NOT IRON CLAD—continued.														
IN COMMISSION—continued.														
KING GEORGE (Coast Guard Cruiser).	-	-	60	1 April 1874 1 April "	30 June 1874 30 Sept. "	Galway Limerick	Hull Hull	- -	- -	45 1	- -	- -	45 1	Repairs.
LIVELY	2	250 (4,757)	835 (985)	1 Jan. 1875	31 Mar. 1875	Santander	Rigging and Stores	-	-	-	-	10	10	Spindle for steering wheel.
LYNX	4	120 (526)	464 (584)	25 Jan. "	30 Jan. "	Portsmouth	Hull	-	-	-	1	-	1	Supervision of contract work.
MAGPIE	3	160 (857)	665 (774)	1 Mar. 1875	31 Mar. 1875	Bombay, Bahrein, and Muscat.	Masts and Yards Rigging and Stores	-	-	Cr. 34	-	-	Cr. 34	Old stores returned during February 1873.
MARGARET (Coast Guard Cruiser).	-	-	70	1 April 1874	31 May 1874	Bombay	Engineers' Stores	-	-	-	-	68	68	General repairs and supplies.
MARTIN	10	-	481 (489)	1 Oct. "	31 Dec. "	Liverpool	Hull Engines and Engineers' Fittings.	-	-	840 310	-	-	840 310	Supplies.
MARY (Coast Guard Cruiser).	-	-	30	1 July 1 Aug.	30 Sept. 30 Aug.	Yarmouth Leith	Rigging and Stores Hull	-	-	-	-	2	2	Repairs to pump, and supplies.
MERLIN	4	60 (498)	295 (490)	On the 1st March 1875	31 Mar. 1875	Plymouth (D. Banks)	Hull	-	-	256	-	-	256	Repairs.
MIDGE	4	120 (472)	464 (584)	1 April 1 Dec.	30 Sept. 1874 31 Dec. "	Sierra Leone, C. Coast Castle, &c. Hong Kong Singapore Tientsien	Rigging and Stores Hull Engineers' Stores Hull	-	-	-	-	57	31 21 44	Supplies. Repairs and supplies.

[illegible]

PAYMENTS Made and Allowed at the Admiralty charged to the respective Ships and Vessels at other than Her Majesty's Dockyards—*continued.*

No. 2.—WEAR AND TEAR AND MAINTENANCE OF THE FLEET, IN COMMISSION AND IN RESERVE, including REPAIRS, REFITS, ALTERATIONS, &c.—*continued.*

NAME OF SHIP.	Number of Guns.	Horse Power.	Tonnage.	PERIOD within which the Expense was Incurred.		Place at which the Expense was Incurred.	Steam Machinery for Her Majesty's Ships and Vessels.	Ships Building by Contract.	Repairs of Ships at other than Her Majesty's Dockyards.	Salaries, Subsistence &c. of Officers super- intending Ships Build- ing by Contract and other Works.	Purchase of Stores by Captains,&c. for Repairs of Her Majesty's Ships, &c.	TOTAL.	REMARKS.
				From	To								
NOT IRON CLAD—continued.													
IN COMMISSION—continued.													
PEARL - - -	17	400 (1,390)	1,469 (2,167)	1 April 1874	31 Dec. 1874	Sydney - - -	-	-	259	-	-	259	Docking, and casual re- pairs.
				- On the 23rd January 1875 -		Smithwick - - -	-	-	262	-	-	262	New propeller blades.
PETEREL - - -	3	150 (478)	669 (943)	1 April 1874	31 Mar. 1875	Panama, Callao, and Mazatlan.	-	-	-	-	12	12	Supplies.
PHEASANT - - -	2	60 (199)	235 (284)	1 Jan. 1875	31 Mar. "	Hull - - -	-	-	1	-	-	1	Repairs.
				1 April 1874	31 Mar. "	{ Muscat, Bombay Kurrachee - - -	-	-	-	-	368	368	Caulking, and general re- pairs, supplies, &c.
PHILOMEL - - -	3	160 (964)	664 (774)			{ Rigging and Stores - Enginers' Stores - -	-	-	-	-	52	52	
				1 Oct. "	31 Mar. "	{ Hull - - - Rigging and Stores -	-	-	71 16	-	-	87	
						Total - - - £.	-	-	-	-	-	87	
PRESIDENT - - -	10	-	1,537 (4,969)	1 April "	31 Mar. "	London - - -	-	-	-	-	7	7	Supplies.
				1 April "	30 Sept. 1874	W. E. Docks - - -	-	-	145	-	-	145	Repairs.
				3 Aug. "	22 Aug. "	Chatham - - -	-	-	-	31	-	31	Supervision of contract work.
PRINCESS CHARLOTTE	-	-	2,443 (4,122)	1 April "	30 Sept. "	Hong Kong - - -	-	-	7	-	-	7	Repairs.
PYLADES - - -	17	350 (1,014)	1,278 (2,724)	1 April "	30 Sept. "	Monte Video - - -	-	-	-	-	5	5	Supplies.
RALEIGH - - -	22	800 (5,639)	3,215 (5,200)	6 April "	11 April "	Portsmouth - - -	-	-	-	1	-	1	Supervision of contract work.
RAPID - - -	3	150 (460)	672 (943)	1 April "	30 Sept. "	Barcelona - - -	-	-	-	-	1	1	Supplies.
READY - - -	4	100 (894)	462 (592)	1 April "	30 Sept. "	Monte Video - - -	-	-	-	-	17	17	Repairs and supplies.
				1 July "	30 July "	Enginers' Stores - - Engines, and Enginers' Fittings.	-	-	17	-	-	17	
				1 Jan. 1875	31 Mar. 1875	Rigging and Stores -	-	-	-	-	2	2	

C. I.	REINDEER	-	-	7	200 (722)	953 (4,365)	1 April 1874 1 Mar. 1875	31 Mar. 30 Mar.	Panama and Honolulu Honolulu	{ Rigging and Stores Enginers' Stores Hull	-	-	-	-	-	-	-	-	533 7 4	{ Repairs and supplies.	
RENARD	-	-	-	1	-	120	1 Oct. 1874 1 Sept. "	31 Dec. 1874 30 Sept. "	Sydney Levuka	{ Hull Hull	-	-	-	-	-	-	-	-	340 18 1 2 3	{ Docking, and casual re- pairs and supplies.	
	-	-	-	-	-	-	20 Dec. "	22 Dec. "	Brisbane	{ Masts and Yards Rigging and Stores	-	-	-	-	-	-	-	-	-		
	Total - - - £.										-	-	-	-	-	-	-	-	-		
RIFLEMAN	-	-	-	4	100 (745)	462 (592)	1 April "	31 Mar. 1875	Bombay, Muscat, &c.	{ Rigging and Stores Enginers' Stores Hull	-	-	-	-	-	-	-	-	519 77 500 37	{ General repairs and supplies.	
	-	-	-	-	-	-	1 May "	31 July 1874	Bombay	{ Engines and Engineer's Fittings, Boilers and Engineers' Fittings.	-	-	-	-	-	-	-	-	2		
	-	-	-	-	-	-	1 Oct. "	31 Mar. 1875	Zanzibar	-	-	-	-	-	-	-	-	-	-	1	{ Supplies.
RINALDO	-	-	-	7	200 (752)	951 (1,305)	1 April "	31 July 1874	Aden	{ Rigging and Stores	-	-	-	-	-	-	-	-	-	1	
	-	-	-	-	-	-	1 April "	30 Nov. "	Koté and Yokohama	{ Rigging and Stores Hull	-	-	-	-	-	-	-	-	54 390		
	-	-	-	3	160 (957)	665 (774)	25 May "	4 June "	Yokosk	{ Engines and Engineers' Fittings, Boilers and Engineers' Fittings.	-	-	-	-	-	-	-	-	2 5 7	{ Repairs and supplies.	
ROCKET	-	-	-	4	129 (652)	464 (584)	1 Jan. 1875 14 Sept. 1874	31 Mar. 1875 24 Oct. 1874	Valparaiso Portsmouth	{ Rigging and Stores Hull	-	-	-	-	-	-	-	-	2 1 -	{ Repairs and supplies. Supervision of contract work.	
	-	-	-	3	150 (436)	673 (943)	1 April "	31 Mar. 1875	Wellington and Le- vuka.	{ Rigging and Stores Hull	-	-	-	-	-	-	-	-	13 23	{ Repairs and supplies.	
	-	-	-	-	-	-	1 July "	31 Dec. "	Rock Ferry and Liver- pool.	{ Rigging and Stores Hull	-	-	-	-	-	-	-	-	12 10 542	{ Supplies. Supervision of contract work. Repairs.	
ROYAL CHARLOTTE (Coast Guard Cruiser.)	-	-	-	-	-	129	- On the 14th January 1875 - - On the 3rd March 1875 -	13 Dec. 1874 13 Oct. 1874	Birkenhead Tranmere	{ Hull Hull	-	-	-	-	-	-	-	-	-	29	{ Supervision of contract work.
	-	-	-	22	-	2,612 (4,672)	18 May 1874		Portsmouth	{ Hull	-	-	-	-	-	-	-	-	-	-	
	-	-	-	-	-	-	1 July "	30 Sept. "	Sydney	{ Hull Masts and Yards Rigging and Stores	-	-	-	-	-	-	-	-	78 4 20	{ Casual repairs.	
SANDELY	-	-	-	1	-	120	1 Oct. "	31 Mar. 1875	Havana	{ Rigging and Stores	-	-	-	-	-	-	-	-	-	10	{ Small supplies.
	Total - - - £.										-	-	-	-	-	-	-	-	-	-	
	Total - - - £.										-	-	-	-	-	-	-	-	-	-	

PAYMENTS Made and Allowed at the Admiralty charged to the respective Ships and Vessels at other than Her Majesty's Dockyards—continued.

No. 2.—WEAR AND TEAR AND MAINTENANCE OF THE FLEET, IN COMMISSION AND IN RESERVE, including REPAIRS, REFFITS, ALTERATIONS, &c.—continued.

NAME OF SHIP.	PERIOD		Tonnage.	REMARKS.								
	within which the Expense was Incurred.			Place at which the Expense was Incurred.	Detailed Head of Charge.	Steam Machinery for Her Majesty's Ships and Vessels.	Ships Building by Contract.	Repairs of Ships at other than Her Majesty's Dockyards.	Salaries, &c. superintending by Contract at other Works.	Purchase of Stores by Consuls, Captains, &c. for Repairs of Her Majesty's Ships, &c.	TOTAL.	REMARKS.
	From	To										

NOT IRON CLAD—continued.																	
IN COMMISSION—continued.																	
SAPHO	-	-	4	120 (736)	727 (894)	On the 21st September 1874	-	-	-	-	-	-	£.	70	Coating beams.		
SCOUT	-	-	17	400 (1,327)	1,462 (2,187)	1 Oct. 1874	31 Dec. 1874	Honolulu	-	-	-	-	-	421	421	Casual repairs.	
						1 April "	31 Mar. 1875	Valparaiso, Coquimbo, &c.	-	-	-	-	-	-	101	Supplies.	
SEAFLOWER	-	-	8	-	425 (454)	1 July "	30 Sept. 1874	Cromarty	-	-	-	-	-	1	1	Repairs.	
						1 April "	30 June "	Simon's Bay	-	-	-	-	-	450	450	Docking, and casual repairs and supplies.	
SHEARWATER	-	-	4	150 (532)	669 (913)	1 Oct. "	31 Mar. 1875	Mauritius	-	-	-	-	-	11	11		
						1 April "	31 Mar. "	Mauritius	-	-	-	-	-	-	75	75	
SKYLARK (Coast Guard Cruiser).	-	-	-	-	70	On the 10th December 1874	-	Stonehouse	-	-	-	-	-	283	283	Repairs.	
SPARTAN	-	-	8	350 (1,382)	1,269 (1,755)	1 April 1874	30 Sept. 1874	Antigua and St. John's (Newfoundland).	-	-	-	-	-	-	2	2	Supplies.
						1 April "	30 Sept. "	Singapore	-	-	-	-	-	10	10	Making cover for cylinder and repairs.	
STEAM CUTTER, No. 17	-	-	-	3	7	1 May "	31 May "	Yokohama	-	-	-	-	-	2	2		
STEAM CUTTER, No. 28	-	-	-	3	7	1 Jan. 1875	31 Mar. 1875	Birkenhead	-	-	-	-	-	2	2	Spare piston rod.	
STEAM LAUNCH, No. 3	-	-	-	6	24	18 Oct. 1874	19 Oct. 1874	Hong Kong	-	-	-	-	-	4	4	Caulking side.	
STEAM LAUNCH, No. 36	-	-	-	6	23	On the 19th March 1875	-	Deptford (Mr. W. Walker).	-	-	-	-	-	156	156	Repairs.	
STEAM LAUNCH, No. 39	-	-	-	6	22	1 Oct. 1874	31 Oct. 1874	Cork	-	-	-	-	-	9	9	New boiler supplied and fitted.	
STEAM LAUNCH, No. 53	-	-	-	6	23	1 Jan. 1875	31 Mar. 1875	Greenock	-	-	-	-	-	7	7	New boiler and brass tubes supplied and fitted.	
								Boilers and Engineers' Fittings.	-	-	-	-	-	37	159		
STEAM PINNACE, No. 40	-	-	-	6	13	1 April 1874	30 June 1874	Sydney	-	-	-	-	-	79	79	Repairs.	
STEAM PINNACE, No. 42.	-	-	-	4½	8	1 April "	30 June "	Sydney	-	-	-	-	-	13	13	Lagging boilers.	

Supply	2	80 (265)	638 (4,400)	1 July 1874	30 Sept. 1874	Simon's Town -	Hull -	Engines and Engineers' Fittings.	Engines and Engineers' Fittings.	319	319	319	Docking and cleaning.
SWINGER	4	60 (461)	295 (430)	1 July 1 April	30 Sept. 30 Sept.	Hong Kong Tanjong Pagar	Engines and Engineers' Fittings. Engines and Engineers' Fittings.	Engines and Engineers' Fittings. Engines and Engineers' Fittings.	Engines and Engineers' Fittings.	3	2	3	Casual repairs.
SYLVIA	3	150 (689)	695 (877)	1 Oct. 6 April 1 April	31 Mar. 1875 11 April 1874 30 Sept.	Kobé, Hiogo Portsmouth Hong Kong	Rigging and Stores Engineers' Stores Hull	Rigging and Stores Engineers' Stores Hull	Rigging and Stores Engineers' Stores Hull	2 10 1	26	26	Casual supplies. Supervision of contract work. Caulking, &c.
TEAZER	4	120 (489)	464 (584)	1 April	26 Aug.	Port Said	Engineers' Stores	Engineers' Stores	Engineers' Stores	16	16	16	Supplies.
TEVEDOS	8	350 (2,032)	1,275 (4,755)	1 April On the 29th January 1875 On the 1st February 1875	31 Mar. 1875 30 June 1874 On the 29th January 1875 On the 1st February 1875	Panama, Honolulu, and San Francisco. Esquimaux Glasgow Honolulu	Rigging and Stores Engineers' Stores Hull Engines and Engineers' Fittings. Engineers and Engineers' Fittings.	Rigging and Stores Engineers' Stores Hull Engines and Engineers' Fittings. Engineers and Engineers' Fittings.	Rigging and Stores Engineers' Stores Hull Engines and Engineers' Fittings. Engineers and Engineers' Fittings.	106 25 204 66 20	204 66 20	204 66 20	Caulking, &c., the ship, and casual supplies and repairs.
THALIA	6	400 (1,597)	1,459 (2,216)	1 April	30 Sept. 1874	Hong Kong	Hull Masts and Yards	Hull Masts and Yards	Hull Masts and Yards	620 2	620 2	620 2	Docking, and casual repairs and supplies.
THEIRS	14	350 (2,275)	1,322 (4,870)	1 Oct. 1 April 1 Oct. 1 Oct. 1 Oct.	31 Mar. 1875 30 Sept. 1874 31 Mar. 1875 31 Mar. 30 Sept. 1874	Yokohama Madras Mauritius Mauritius and Zanzibar. Nagasaki	Rigging and Stores Engines and Engineers' Fittings. Hull Engines and Engineers' Fittings. Rigging and Stores	Rigging and Stores Engines and Engineers' Fittings. Hull Engines and Engineers' Fittings. Rigging and Stores	Rigging and Stores Engines and Engineers' Fittings. Hull Engines and Engineers' Fittings. Rigging and Stores	5 6 281 26 32	5 6 281 26 32	5 6 281 26 32	Repairing steam pipe. Docking and repairing. Supplies.
THISTLE	4	120 (644)	465 (584)	1 April 1 Oct. 26 Oct.	30 Sept. 1874 31 Dec. 25 Dec.	Shanghai Hong Kong	Boilers and Engineers' Fittings. Hull Boilers and Engineers' Fittings. Hull	Boilers and Engineers' Fittings. Hull Boilers and Engineers' Fittings. Hull	Boilers and Engineers' Fittings. Hull Boilers and Engineers' Fittings. Hull	19 5 60 245	19 5 60 245	19 5 60 245	Docking and repairing ship, and casual supplies and repairs.
TORCH	5	80 (284)	426 (570)	1 April	31 Mar. 1875	Port Said and Piræus	Rigging and Stores	Rigging and Stores	Rigging and Stores	4	4	4	Supplies.
TRINCOMALEE	15	-	1,066 (4,447)	1 April 11 Jan.	31 Mar. 6 Mar.	West Hartlepool Portsmouth	Rigging and Stores Hull	Rigging and Stores Hull	Rigging and Stores Hull	2	2	2	ditto. Supervision of contract work. Supplies.
TYRIAN	1	60 (157)	272 (330)	1 Oct.	31 Mar.	South East Coast of Scotland.	Rigging and Stores	Rigging and Stores	Rigging and Stores	150	150	150	Converting into a drill ship.
UNICORN	10	-	1,084 (4,447)	28 Mar. 7 July 1 Oct.	19 Sept. 1874 2 Oct. 31 Mar. 1875	Sheerness Dundee Dundee	Hull Hull Rigging and Stores	Hull Hull Rigging and Stores	Hull Hull Rigging and Stores	3,198	3,198	3,198	Supervision of contract work. - ditto.
VALOROUS	6	400 (1,445)	1,257 (-)	6 April	18 April 1874	Portsmouth	Hull	Hull	Hull	1	1	1	Supervision of contract work. - ditto.
VESTAL	9	300 (2,454)	1,081 (4,575)	1 Dec.	13 Feb. 1875	Portsmouth	Hull	Hull	Hull	7	7	7	Supervision of contract work. - ditto.

IRON CLADS BUILT BY CONTRACT:

IN RESERVE:	28	23 Mar. 1874	30 Jan. 1875	Boilers and Engineers' Fittings.	—	90	Supervision of contract work.
AGINGCOURT	—	6,621 (6,867)	Portsmouth	—	—	90	—
AUDACIOUS	14	800 (4,027)	Portsmouth	—	—	1	—
MINOTAUR	17	1,350 (6,702)	Portsmouth	—	—	1	—
TOTAL							
				Hull	—	2	—
				Boilers and Engineers' Fittings.	—	90	—
				Hull	—	7	—
				Supervision of contract work.	—	—	—

IRON CLADS BUILT IN HER MAJESTY'S DOCKYARDS:

IN RESERVE:		23 Mar. 1874	23 May 1874	Portsmouth	Hull	—	—	7	Supervision of contract work.
RUPERT	—	4	3,159 (5,284)						
NOT IRON CLAD:									
IN RESERVE:		8 Feb. 1875	20 Mar. 1875	Portsmouth	Hull	—	—	4	Supervision of contract work.
ALERT	—	4	751 (4,945)	R. & W. Hawthorn	Engines and Engineers' fittings.	—	—	—	Payment on account of machinery.
BAROSSA	—	17	400 (4,616)	Portsmouth	Hull	—	—	3	Supervision of contract work.
BUZZARD	—	2	300 (833)	Portsmouth	Hull	—	—	7	- - ditto.
FOAM	—	4	60 (430)	Portsmouth	Hull	—	—	1	- - ditto.
INDUSTRY	—	2	80 (279)	Portsmouth	Hull	—	—	5	- - ditto.
LIFFEY	—	28	600 (4,905)	Portsmouth	Hull	—	—	3	- - ditto.
ORONTES	—	2	— (2,300)	Messrs. Laird & Sons, Birkenhead.	Engines and Engineers' fittings.	21,400	—	21,400	
				1 April 1874	Hull	—	* 27,163	* 27,163	Repairing and lengthening vessel.
				29 Oct. 1874	Messrs and Yards	—	34	34	
				31 Mar. 1875	Total - - - £.	—	27,197	27,197	
				30 July	Hull	—	—	358	* Includes 150 L. premium of insurance.
PIER	—	4	120 (584)	Portsmouth	Hull	—	—	1	Supervision of contract work.
PILOVER	—	3	160 (977)	Portsmouth	Hull	—	—	26	- - ditto.
URGENT	—	3	400 (4,676)	Portsmouth	Hull	—	—	20	- - ditto.

No. 2.—WEAR AND TEAR AND MAINTENANCE OF THE FLEET, IN COMMISSION AND IN RESERVE, including REPAIRS, REFITS, ALTERATIONS, &c.—continued.

NAME OF SHIP.	Number of Guns.	Horse Power.	Tonnage.	PERIOD within which the Expense was Incurred.		Place at which the Expense was Incurred.	Detailed Head of Charge.	Steam Machinery for Her Majesty's Ships and Vessels.	Ships Building by Contract.	Repairs of Ships at other than Her Majesty's Dockyards.	Salaries, Subsistence, &c. super- intending Ships Build- ing by Contract and other Works.	Purchase of Stores by Captains,&c. for Repairs of Her Majesty's Ships, &c.	TOTAL.	REMARKS.	
				From	To										
NOT IRON CLAD—continued.															
IN RESERVE—continued.															
WYB	-	-	-	1 April 1874	31 Mar. 1875	Woolwich	{ Hull - - - - Boilers and Engineers' Fittings.	£.	£.	£.	£.	£.	£.	Repairs.	
		(629)	(1,161)					-	-	1,031	-	-	1,031		
								-	-	181	-	-	181		
							{ Hull - - - - Masts and Yards - -	-	27,163	1,031	428	-	28,622		
								-	34	-	-	-	34		
							TOTAL - - - £.	-	27,197	1,031	428	-	28,656		
							Engines and Engineers' Fittings.	24,900	-	-	-	-	24,900		
							Boilers and Engineers' Fittings.	-	-	181	-	-	181		
							TOTAL - - - £.	24,900	-	181	-	-	25,081		

No. 3.—HULKS, &c., REPAIRING.

NAME OF SHIP.	Rate or Class of Ship.	Tonnage.	PERIOD within which the Expense was Incurred.		Place at which the Expense was Incurred.	Steam Machinery for Her Majesty's Ships and Vessels.	Ships Building by Contract.	Repairs of Ships at other than Her Majesty's Dockyards.	Salaries, Subsistence, &c. super- intending Ships Build- ing by Contract and other Works.	Purchase of Stores by Captains,&c. for Repairs of Her Majesty's Ships, &c.	TOTAL.	REMARKS.
			From	To								
CALCUTTA	-	2,299 (3,590)	6 April 1874	1 April 1874	Portsmouth	-	£.	£.	£.	£.	£.	Supervision of contract work.
	-	-			Hall	-	-	-	1	-	1	

	5th Rate	1,067	-	On the 1st October 1874	-	Chatham	-	Hull	-	-	-	3	-	-	3	Repairs.
LEONIDAS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
OBERON	-	649	-	1 April 1874	26 Oct. 1874	-	-	Hull	-	-	-	-	40	-	40	Supervision of contract work.
RAINBOW	-	235 (284)	-	{ 1 April "	21 Dec. "	Wivenhoe	-	Hull	-	-	-	1,607	-	-	1,607	Repairs (includes 7L for premium of insurance).
	-	168	-	{ 30 Mar. "	20 Mar. 1875	(John Harvey.)	-	Hull	-	-	-	-	272	-	272	Supervision of contract work.
WATCH VESSEL, No. 6	-	168	-	1 April 1874	30 Sept. 1874	Harwich	-	Hull	-	-	-	14	-	-	14	Repairs.
WATCH VESSEL, No. 10	-	169	-	1 Oct. "	31 Dec. "	Gravesend	-	Hull	-	-	-	2	-	-	2	- ditto.
WATCH VESSEL, No. 11	-	358	-	1 Oct. "	31 Dec. "	Gravesend	-	Hull	-	-	-	2	-	-	2	- ditto.
WATCH VESSEL, No. 12	-	167	-	1 July "	30 Sept. "	Harwich	-	Hull	-	-	-	1	-	-	1	- ditto.
WATCH VESSEL, No. 13	-	168	-	1 Oct. "	31 Dec. "	Gravesend	-	Hull	-	-	-	7	-	-	7	- ditto.
WATCH VESSEL, No. 20	-	483	-	{ 1 Oct. "	31 Dec. "	Burnham	-	Hull	-	-	-	4	-	-	4	- ditto.
	-	-	-	{ 1 April "	30 June "	Colemouth	-	Hull	-	-	-	30	-	-	30	- ditto.
	-	-	-	{ 7 Sept. "	23 Jan. 1875	Portsmouth	-	Hull	-	-	-	-	7	-	7	Supervision of contract work.
WATCH VESSEL, No. 22	-	169	-	1 April "	31 Mar. "	Burnham	-	Hull	-	-	-	2	-	-	2	Repairs.
WATCH VESSEL, No. 24	-	483	-	1 July "	31 Dec. 1874	{ Harwich	-	Hull	-	-	-	9	-	-	9	- ditto.
	-	-	-	-	-	{ Whitstable	-	Hull	-	-	-	3	-	-	3	- ditto.
WATCH VESSEL, No. 25	-	330	-	-	-	Beresford	-	Hull	-	-	-	44	-	-	44	Digging out and getting into deep water.
WATCH VESSEL, No. 26	-	319	-	-	-	Beresford	-	Hull	-	-	-	43	-	-	43	- ditto.
WATCH VESSEL, No. 27	-	120	-	-	-	Castle Coote	-	Hull	-	-	-	43	-	-	43	- ditto.
WATCH VESSEL, No. 28	-	484	-	1 Oct. 1874	31 Dec. 1874	Gravesend	-	Hull	-	-	-	2	-	-	2	Repairs.
WATCH VESSEL, No. 32	-	168	-	1 April "	31 Mar. 1875	Newhaven	-	Hull	-	-	-	17	-	-	17	Store supplied.
WATCH VESSEL, No. 38	-	168	-	1 Aug. "	31 Mar. "	Branksea	-	Hull	-	-	-	7	-	-	7	Casual repairs.
TOTAL										-	-	1,840	320	-	2,160	

No. 4.—STEAM TUGS, YARD CRAFT, COAL DEPOTS, &c., BUILDING, FITTING, REFITTING, &c.

Yard in which the Craft is attached.	Name and Description of Yard Craft.	Horse Power.	Tonnage.	PERIOD within which the Expense was Incurred.		Place at which the Expense was Incurred.	Detailed Head of Charge.	Steam Machinery for Her Majesty's Ships and Vessels.	Ships Building by Contract.	Repairs of Ships at other than Her Majesty's Dockyards.	Salaries, Subsistence, &c. of Officers Intending Ships Build- ing by Contract and other Works.	Purchase of Stores by Captains,&c. for Repairs of Her Majesty's Ships, &c.	TOTAL.	REMARKS.
				From	To									
PORTSMOUTH	Grinder (Steam Tug) -	-	323	10 Aug. 1874	15 Aug. 1874	Portsmouth -	Hull - - -	-	-	-	1	-	1	Supervision of contract work.
	Manly (Steam Tug) -	-	135	10 Aug. "	15 Aug. "	- ditto -	Hull - - -	-	-	-	1	-	1	- - - ditto.
DEVONPORT -	Perseverance - -	-	457	2 Nov. "	19 Nov. "	Devonport -	Engines and En- gineers' Fittings.	-	-	-	28	-	28	- - - ditto.
GIBRALTAR -	Escort (Iron Paddle Wheel Tug).	-	(490)	1 July "	30 Sept. "	Gibraltar -	{ Hull - - - Engines and En- gineers' Fittings.	-	-	305 9	-	-	305 9	{ Docking, and casual repairs.
	Steam Launch, No. 62	-	-	1 July "	20 Dec. "	Hong Kong -	Hull - - -	-	-	1	-	-	1	Repairs.
HONG KONG	No. 8 (Coal Barge) -	-	48	1 July "	30 Sept. "	- ditto -	Hull - - -	-	-	2	-	-	2	Caulking sides, &c.
	No. 9 (Coal Barge) -	-	48	1 July "	30 Sept. "	- ditto -	Hull - - -	-	-	2	-	-	2	- - - ditto.
	No. 10 (Coal Barge) -	-	48	1 July "	30 Sept. "	- ditto -	Hull - - -	-	-	2	-	-	2	- - - ditto.
	No. 11 (Coal Barge) -	-	48	1 July "	30 Sept. "	- ditto -	Hull - - -	-	-	2	-	-	2	- - - ditto.
	No. 12 (Coal Barge) -	-	48	1 July "	30 Sept. "	- ditto -	Hull - - -	-	-	3	-	-	3	- - - ditto.
	No. 13 (Coal Barge) -	-	48	1 July "	30 Sept. "	- ditto -	Hull - - -	-	-	2	-	-	2	- - - ditto.
MALTA -	Malta - - -	-	-	24 Nov. "	31 Mar. 1875	Building by Messrs. Laird at Birken- head.	{ Hull - - - Engines and En- gineers' Fittings.	-	10,200	-	-	-	10,200	} On account of the hull and machinery.
				27 July "	20 Mar. "	Chatham, &c.	Hull - - -	-	-	-	248	-	248	

O.1.	NAME OF SHIP.	Rate, or Class of Ship.	Number of Guns.	Horse Power.	Tonnage.	PERIOD within which the Expense was Incurred.		Place at which the Expense was Incurred.	Detailed Head of Charge.	Steam Machinery for Her Majesty's Ships and Vessels.	Ships Building by Contract.	Repairs of Ships at other than Her Majesty's Dockyards.	Salaries, Subsistence, &c., of Officers, super- intending Ships Build- ing by Contract and other Works.	Ships and Vessels Breaking up.	TOTAL.	REMARKS.
						From	To									
TRINCOMALEE	No. 4 (Barge)	-	-	-	-	13 Jan. 1875	20 Jan. "	Devonport	Hull	-	-	-	20	-	20	Supervision of contract work.
	No. 5 (Barge)	-	-	-	-	18 Jan. "	20 an. "	- ditto	Hull	-	-	-	20	-	20	- ditto.
	Elizabeth (S. Tank Vessel).	-	-	-	257 (370)	-	On the 30th March 1875	Repaired at Portsmouth by Mr. J. Read.	Hull	-	-	300	-	-	300	Repairs.
PORTLAND	-	-	-	-	101	23 April 1874	11 Mar. 1875	Portsmouth	Hull	-	-	-	6	-	6	Supervision of contract work.
QUEENSTOWN	Shamrock (Iron Screw Tug and Tank Vessel).	-	-	-	55	-	On the 30th March 1875	Portsmouth	Hull	-	-	365	-	-	365	Repairs.
ROYAL CLARENCE	No. 6 (Alphæus)	-	-	-	70	-	On the 19th March 1875	Plymouth	Hull	-	-	547	-	-	547	- ditto.
ROYAL WILLIAM	Arthur (Hoy)	-	-	-	76	-	On the 13th October 1874	- ditto	Hull	-	-	362	-	-	362	- ditto.
	Cremill (Hoy)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL									{ Hull - - - Engines and En- gineers' Fittings.	-	10,200	1,893	296	-	12,389	
									12,817	-	-	9	28	-	12,854	
TOTAL - - £.									12,817	10,200	1,902	324	-	-	25,243	

No. 5.—SHIPS AND VESSELS BREAKING UP.

NAME OF SHIP.	Rate, or Class of Ship.	Number of Guns.	Horse Power.	Tonnage.	PERIOD within which the Expense was Incurred.		Place at which the Expense was Incurred.	Detailed Head of Charge.	Steam Machinery for Her Majesty's Ships and Vessels.	Ships Building by Contract.	Repairs of Ships at other than Her Majesty's Dockyards.	Salaries, Subsistence, &c., of Officers, super- intending Ships Build- ing by Contract and other Works.	Ships and Vessels Breaking up.	TOTAL.	REMARKS.
					From	To									
MERMAID	-	-	-	1,085 (1,447)	8 Oct. 1874	17 Dec. 1874	Dublin	Hull	-	-	-	£.	£.	£.	Breaking up.

ABSTRACT:

SERVICE.	PAGE.	DESCRIPTION.	Detailed Head of Charge.	Steam Machinery for Her Majesty's Ships and Vessels.	Ships Building by Contract.	For Steam Boats to be Ordered.	Repairs of Ships at other than Her Majesty's Dockyards.	Salaries, Subsidies, &c. of Officers superintending Ships Building by Contract and other Works.	Breaking up Ships.	Purchase of Stores by Consuls, Captains, &c., for Repairs of Her Majesty's Ships, &c.	TOTAL.
No. 1.—Ships Building and Completing for Sea Service.	630	Iron Clads Built by Contract -	Hull - - - - £.	-	£. 30,968	—	£. —	£. 558	£. —	£. —	£. 31,526
	630	Iron Clads built in Her Majesty's Dockyards.	{ Hull Boilers and Engineers' Fittings - TOTAL - - - £.	- - -	- - -	- - -	- - -	974 6 1,010	- - -	- - -	974 36 1,010
	637	Not Iron Clad - - -	{ Hull Masts and Yards Rigging and Stores Engines and Engineers' Fittings - Boilers and Engineers' Fittings - Engineers' Stores TOTAL - - - £.	- - - 103,643 160 50 103,858	264,996 700 1,362 - - - 267,058	6,367 - - - - - 6,367	- - - - - - -	7,328 57 - - 289 7,674	- - - - - -	- - - - - -	278,691 757 1,362 103,648 449 50 384,957
No. 2.—Wear and Tear and Maintenance of the Fleet, in Commission and in Reserve, including Repairs, Refits, Alterations, Works rendered necessary by New Armaments, and the Renewal of Worn-out and Perishable Stores, such as Rigging, Rope, Sails, Blocks, &c.:—	638	Iron Clads Built by Contract -	{ Hull Masts and Yards Rigging and Stores Engines and Engineers' Fittings - Engineers' Stores TOTAL - - - £.	- - - - - -	- - - - - -	- - - - - -	- - 65 - -	9 - - - 9	- - - - -	2 2 23 5 32	11 2 23 65 5 106
In Commission - - -	639	Iron Clads Built in Her Majesty's Dockyards.	{ Hull Rigging and Stores Engines and Engineers' Fittings Engineers' Stores TOTAL - - - £.	- - - - -	- - - - -	- - - - -	- - - - -	739 - - - -	- - - -	- 295 10 25 330	852 295 10 25 1,182

No. 12 (Sect. II.).

VALUE OF STORES ISSUED FROM ONE SHIP TO ANOTHER
DURING THE FINANCIAL YEAR 1874-75.

VALUE OF STORES ISSUED FROM ONE SHIP TO ANOTHER DURING THE FINANCIAL YEAR 1874-75.

NAME OF SHIP.	Number of Guns.	Horse Power.	Tonnage.	PERIOD.		Detailed Head of Charge.	VALUE OF STORES.		NET TOTAL.	REMARKS.
				From	To		Issued. (Ship credited.)	Received. (Ship debited.)		
IRON CLADS BUILT BY CONTRACT:										
IN COMMISSION:										
AGINCOURT	28	1,350 (6,867)	6,621 (40,627)	13 April 1874	9 Mar. - 1875	{ Rigging and Stores - Engineers' Stores - Rigging and Stores -	£. 3 36 —	£. — — 11	£. 3 36 11	} Adjustment of Accounts for 1873-74.
AUDACIOUS	14	800 (4,021)	3,774 (6,034)	9 April - "	1 Feb. - 1875	{ Rigging and Stores - Engineers' Stores -	18 4	26 —	8 4	
DEFENCE	16	600 (2,537)	3,720 (6,070)	17 June - 1874	11 Aug. - 1874	Engineers' Stores -	1	4	3	
NORTHUMBERLAND	28	1,350 (6,558)	6,621 (40,584)	1 Oct. - "	12 Feb. - 1875	{ Rigging and Stores - Engineers' Stores -	12 3	— —	12 3	- ditto - ditto.
RESISTANCE	16	600 (2,428)	3,710 (6,070)	- On the 9th March 1875	-	Rigging and Stores -	—	2	2	- ditto - ditto.
SWIFTSURE	14	800 (4,913)	3,893 (6,660)	- On the 11th March 1875	-	Rigging and Stores -	255	—	255	
TRIUMPH	14	800 (4,892)	3,893 (6,643)	13 April 1874	12 Feb. - 1875	{ Rigging and Stores - Rigging and Stores -	— 13	1 18	1 5	- ditto - ditto.
VANGUARD	14	800 (5,312)	3,774 (6,034)	- On the 13th August 1874	-	Rigging and Stores -	2	—	2	
TOTAL							305	58	247	
							44	4	40	
IRON CLADS BUILT IN HER MAJESTY'S DOCKYARDS:										
IN COMMISSION:										
ACHILLES	16	1,250 (5,722)	6,121 (9,694)	-	-	Rigging and Stores -	170	—	170	} Adjustment of Accounts for 1873-74.
BELLEROPHON	15	1,000 (6,521)	4,270 (7,551)	-	-	Rigging and Stores -	3	—	3	
CALEDONIA	24	1,000 (4,538)	4,125 (6,832)	-	On the 23rd July 1874	Rigging and Stores -	—	3	3	
DEVASTATION	4	800 (4,649)	4,407 (9,190)	-	On the 9th November 1874	Rigging and Stores -	7	—	7	
FAVORITE	10	400 (1,773)	2,094 (3,232)	-	On the 15th August 1874	Engineers' Stores -	7	—	7	
2 April 1874 4 Jan. 1875							3	—	3	} - ditto - ditto.
							76	5	71	
							49	—	49	

VALUE OF STORES ISSUED FROM ONE SHIP TO ANOTHER DURING THE FINANCIAL YEAR 1874-75—continued.

NAME OF SHIP.	Number of Guns.	Horse Power.	Tonnage.	PERIOD.		Detailed Head of Charge.	VALUE OF STORES.		NET TOTAL.	REMARKS.
				From	To		Issued. (Ship credited.)	Received. (Ship debited.)		
NOT IRON CLAD—continued.										
IN COMMISSION—continued.										
ARGUS	5	300 (764)	981 (—)	{ 18 April - 1874	21 May - 1874	{ Rigging and Stores - Engineers' Stores -	£. — 8 103 292	£. 3 — 17	2. 3 8 86 292	} Adjustment of Accounts for 1873-74.
ARIEL	4	60 (540)	308 (436)	11 June - "	4 Dec. - "	{ Rigging and Stores - Engineers' Stores -	— 33	18 —	18 33	
ARROW	1	28 (264)	245 (254)	-	On the 24th July 1874	Rigging and Stores -	—	22	22	
ASIA	4	-	2,289 (3,594)	24 Mar. - 1874	24 June - 1874	{ Rigging and Stores - Engineers' Stores -	4 36	— —	4 36	
AURORA	28	400 (1,576)	2,538 (3,582)	-	On the 14th August 1874	Engineers' Stores -	32	—	32	
AVON	4	120 (528)	467 (584)	{ - - -	On the 31st March 1874	Rigging and Stores - Engineers' Stores -	— —	1 2	1 2	- ditto - - ditto.
BARRACOUTA	5	300 (884)	1,053 (—)	-	-	{ Rigging and Stores - Engineers' Stores -	— 20	2 —	2 20	- ditto - - ditto.
BASILISK	5	400 (1,033)	1,031 (—)	-	-	Rigging and Stores -	11	9	2	- ditto - - ditto.
BEACON	4	120 (506)	465 (584)	-	On the 22nd February 1875	{ Rigging and Stores - Engineers' Stores -	1 —	57 33	56 33	- ditto - - ditto.
BEAGLE	-	-	120	{ - - -	26 May - 1874 6 Feb. - 1875	Rigging and Stores - Rigging and Stores -	47 —	15 29	32 29	
BITTERN	3	160 (851)	663 (774)	{ - - -	On the 31st January 1875	{ Rigging and Stores - Engineers' Stores -	— 5	20 2	20 2	
BLANCHE	6	350 (2,458)	1,268 (4,755)	{ - - -	On the 5th November 1874	Rigging and Stores -	16	5	11	- ditto - - ditto.
BOSCAWEN	17	-	2,213 (2,996)	14 Oct. - 1874	20 Mar. - 1875	Rigging and Stores -	—	42	42	
BRITON	10	350 (2,449)	1,331 (4,831)	9 May - "	4 Aug. - 1874	{ Rigging and Stores - Engineers' Stores -	60 —	10 —	4 60	
CAMELEON	7	952 (4,365)	200 (702)	{ - - -	26 Mar. - 1874 27 Feb. - 1875	{ Rigging and Stores - Engineers' Stores -	— 81	6 7	6 74	} - ditto - - ditto.
CHARYBDIS	17	400	1,506	20 Oct. - 1874	17 Mar. - "	{ Rigging and Stores - Engineers' Stores -	— —	37 —	37 51	

NAME	18	400 (4,509)	1,472 (2,306)	28 Mar. - 1874	31 Jan. - 1875	{ Rigging and Stores - Engineers' Stores -	20 3	-	- ditto - - ditto.
CLIO	2	60 (258)	269 (330)	28 Mar. - 1874	31 Jan. - 1875	{ Rigging and Stores - Engineers' Stores -	12 5	5	-
COCKATRICE	3	150 (598)	672 (913)	-	-	Engineers' Stores -	32	-	- ditto - - ditto.
COLUMBINE	1	28 (262)	245 (254)	-	-	Engineers' Stores -	19	-	-
COMET	-	-	120	29 Jan. - 1875	2 Mar. - 1875	Rigging and Stores -	5	10	-
CONFLICT	-	-	295 (1,068)	22 April - 1874	4 July - 1874	{ Rigging and Stores - Engineers' Stores -	43 10	62	-
COQUETTE	4	60 (406)	752 (960)	-	-	Rigging and Stores -	2	2	-
CRUISER	4	-	752 (960)	-	-	Engineers' Stores -	7	-	-
CURLEW	3	160 (814)	665 (744)	-	-	Rigging and Stores -	6	6	-
DANAE	6	350 (2,089)	1,287 (4,173)	-	-	Rigging and Stores -	1	-	-
DAPHNE	5	300 (1,927)	1,081 (4,374)	-	-	Rigging and Stores -	38	-	-
DARING	4	120 (916)	727 (894)	-	-	Rigging and Stores -	39 3	3	-
DART	5	80 (356)	428 (370)	20 May - 1874	21 July - 1874	{ Rigging and Stores - Engineers' Stores -	5	-	-
DAUNTLESS	9	Late 580 (4,305)	1,375 (2,437)	-	-	Rigging and Stores -	42	6	-
DECOY	4	60 (360)	295 (408)	-	-	{ Rigging and Stores - Engineers' Stores -	32 29	29	-
DIDO	8	350 (2,548)	1,277 (1,755)	16 July -	6 Feb. - 1875	Rigging and Stores -	39	7	-
DRUID	10	350 (2,272)	1,322 (1,730)	-	-	{ Rigging and Stores - Engineers' Stores -	25 5	5	- ditto - - ditto.
DUKE OF WELLINGTON	24	700 (1,999)	3,771 (6,071)	-	-	Rigging and Stores -	2	-	- ditto - - ditto.
DWARF	4	120 (492)	465 (584)	-	-	Rigging and Stores -	1	-	-
EGMONT	-	-	1,780 (2,972)	21 July - 1874	19 Oct. - 1874	Engineers' Stores -	4	-	- ditto - - ditto.
ELK	4	120 (472)	465 (584)	-	-	Rigging and Stores -	79	-	-
ENCHANTRESS	1	250 (4,315)	835 (-)	-	-	{ Rigging and Stores - Engineers' Stores -	3 4	4	- ditto - - ditto.

VALUE OF STORES ISSUED FROM ONE SHIP TO ANOTHER DURING THE FINANCIAL YEAR 1874-75—continued.

NAME OF SHIP.	Number of Guns.	Horse Power.	Tonnage.	P E R I O D.		Detailed Head of Charge.	VALUE OF STORES.		NET TOTAL.	REMARKS.
				From	To		Issued. (Ship credited.)	Received. (Ship debited.)		
NOT IRON CLAD—continued.										
IN COMMISSION—continued.										
ENCOUNTER	14	350 (2,427)	1,405 (1,924)	21 May - 1874	4 Dec. - 1874	{ Rigging and Stores - Engineers' Stores -	£. 37 —	£. 37 18	— 18	Adjustment of Accounts for 1873-74.
ENDYMION	22	500 (1,620)	2,486 (3,197)	23 May - "	29 Sept. - "	{ Rigging and Stores - Engineers' Stores -	40 26	6 225	34 199	
EXCELLENT	13	—	2,311 (3,994)	8 Dec. - "	1 Feb. - 1875	{ Rigging and Stores - Engineers' Stores -	— 2	62 26	62 24	
FANTOME	4	120 (975)	727 (894)	—	On the 1st October 1874	Rigging and Stores -	32	—	32	
FAWN	5	100 (434)	751 (1,045)	16 May - 1874	16 June - 1874	{ Rigging and Stores - Engineers' Stores -	34 —	— 1	34 1	
FISGARD	22	—	1,069 (1,447)	—	On the 14th July 1874	Rigging and Stores -	22	—	22	
FLIRT	4	120 (532)	444 (584)	—	On the 14th August 1874	Engineers' Stores -	—	32	32	
FLORA	10	—	1,634 (1,878)	10 Aug. 1874	8 Sept. - 1874	{ Rigging and Stores - Rigging and Stores -	— —	3 4	3 4	- - ditto - - ditto.
FLYING FISH	4	120 (836)	727 (894)	—	On the 15th November 1874	Rigging and Stores -	—	1	1	
FOAM	4	60 (100)	295 (430)	8 Nov. - 1874	22 Feb. - 1875	{ Engineers' Stores - Rigging and Stores - Engineers' Stores -	— 57 33	4 3 33	4 54 —	- - ditto - - ditto.
FROLIC	4	100 (896)	462 (592)	—	On the 19th August 1874	Rigging and Stores -	—	3	3	
GANGES	—	—	2,285 (3,594)	19 May - 1874	12 June - 1874	Rigging and Stores -	120	7	113	
GLASGOW	28	600 (2,020)	3,027 (4,020)	7 July - 1874	23 Nov. - 1874	{ Engineers' Stores - Rigging and Stores - Engineers' Stores -	7 — 4	— 1 —	7 1 4	- - ditto - - ditto.
HART	4	120 (608)	464 (584)	28 Mar. - 1874	17 Mar. - 1875	{ Engineers' Stores - Rigging and Stores - Engineers' Stores -	10 — —	— 1 50	10 1 50	- - ditto - - ditto.

[illegible]

VALUE OF STORES ISSUED FROM ONE SHIP TO ANOTHER DURING THE FINANCIAL YEAR 1874-75—continued.

NAME OF SHIP.	Number of Guns.	Horse Power.	Tonnage.	PERIOD.		Detailed Head of Charge.	VALUE OF STORES.		NET TOTAL.	REMARKS.
				From	To		Issued. (Ship credited.)	Received. (Ship debited.)		
NOT IRON CLAD—continued.										
IN COMMISSION—continued.										
PEARL - - - - -	17	400 (1,390)	1,469 (2,187)	26 May - 1874	2 Mar. - 1875	Rigging and Stores - Rigging and Stores -	2 10	— 40	2 30	Adjustment of Accounts for 1873-74.
PETEREL - - - - -	3	150 (478)	669 (943)	9 April - "	16 June - 1874	{ Rigging and Stores - Engineers' Stores -	— 6	19 —	19 6	
PHEASANT - - - - -	2	60 (199)	235 (284)	6 May - "	29 Sept. - "	Engineers' Stores -	—	38	38	
PRINCESS CHARLOTTE - - - - -	-	-	2,443 (4,422)	On the 20th May 1874	-	Rigging and Stores	—	2	2	
RAPID - - - - -	3	150 (460)	672 (913)	- - - - -	- - - - -	Rigging and Stores	—	9	9	
RATTLESNAKE - - - - -	17	400 (1,628)	1,705 (2,431)	- - - - -	- - - - -	Rigging and Stores -	6	—	6	
READY - - - - -	4	100 (891)	462 (392)	20 May - 1874	19 Oct. - 1874	{ Rigging and Stores - Engineers' Stores -	— 3	44 —	44 3	
REINDEER - - - - -	7	200 (722)	953 (1,365)	26 Mar. - "	20 Jan. - 1875	{ Rigging and Stores - Engineers' Stores -	— —	83 34	83 34	
RENARD - - - - -	-	-	120	8 Aug. - 1874	25 Sept. - 1874	Rigging and Stores - Rigging and Stores -	— 15	16 21	16 6	
REVENGE - - - - -	28	800 (2,896)	3,322 (5,260)	1 June - 1874	1 Aug. - 1874	Rigging and Stores - Rigging and Stores -	34 12	41 —	7 12	
RIFLEMAN - - - - -	4	100 (715)	462 (592)	4 Aug. - "	1 Feb. - 1875	{ Rigging and Stores Engineers' Stores -	— —	62 7	62 7	
RINGDOVE - - - - -	2	160 (957)	666 (774)	On the 1st August 1874	-	Rigging and Stores -	—	36	36	
ROSARIO - - - - -	3	150 (436)	673 (913)	25 May - 1874	16 July - 1874	Engineers' Stores - Rigging and Stores -	— 5	3 12	3 7	
ROYAL CHARLOTTE - - - - -	-	-	129	On the 9th November 1874	-	Rigging and Stores -	—	7	7	

Species	Count	Weight (lb)	Date	Location	Notes
SANDFLY	1	-	On the 29th January 1875	-	Rigging and Stores -
SCOUT	17	400 (1,327)	9 May - 1874	25 Nov. - 1874	Rigging and Stores
SEAFLOWER	8	-	4 Oct. - "	17 Oct. - "	Rigging and Stores -
SEAGULL	3	160 (702)	On the 11th June 1874	-	Rigging and Stores -
SEALARK	8	-	26 Mar. - 1874	9 April - 1874	Rigging and Stores -
SHEARWATER	3	150 (532)	1 Feb. - 1875	13 Mar. - 1875	{ Rigging and Stores - Engineers' Stores -
SKYLARK	1	60 (263)	On the 14th September 1874	-	Engineers' Stores -
SPARTAN	8	350 (1,582)	-	-	Rigging and Stores -
SPHINX	5	500 (1,160)	On the 23rd July 1874	-	Rigging and Stores -
SPITEFUL	6	280 (796)	8 June - 1874	24 July - 1874	{ Rigging and Stores - Engineers' Stores -
SQUIRREL	-	-	On the 16th May 1874	-	Rigging and Stores -
SUPPLY	2	80 (265)	4 July - 1874	23 Feb. - 1875	{ Rigging and Stores - Engineers' Stores -
SWALLOW	3	160 (892)	On the 11th June 1874	-	Rigging and Stores -
SYLVIA	4	150 (689)	On the 20th May 1874	-	Rigging and Stores -
TENEDOS	6	350 (2,032)	17 Nov. - 1874	20 Jan. - 1875	{ Rigging and Stores - Engineers' Stores -
THALIA	6	400 (1,597)	31 Mar. - "	6 July - 1874	{ Rigging and Stores - Engineers' Stores -
THETIS	14	350 (2,275)	-	-	{ Rigging and Stores - Engineers' Stores -
THISTLE	4	120 (644)	On the 7th March 1875	-	Engineers' Stores -

VALUE OF STORES ISSUED FROM ONE SHIP TO ANOTHER DURING THE FINANCIAL YEAR 1874-75—continued.

NAME OF SHIP.	Number of Guns.	Horse Power.	Tonnage.	P E R I O D.		Detailed Head of Charge.	VALUE OF STORES.		NET TOTAL.	REMARKS.
				From	To		Issued. (Ship credited.)	Received. (Ship debited.)		
NOT IRON CLAD—continued.										
IN COMMISSION—continued.										
TOPAZE - - - - -	28	600 (2,538)	2,659 (3,945)	26 Mar. - 1874	12 June - 1874	Rigging and Stores -	2	—	2	
TORCH - - - - -	5	80 (284)	426 (570)	-	On the 18th March 1875	Engineers' Stores -	2	—	2	
TYRIAN - - - - -	1	60 (157)	272 (380)	1 June - 1874	16 June - 1874	{ Rigging and Stores - Engineers' Stores -	1 —	— 18	1 18	
UNICORN - - - - -	10	-	1,084 (4,447)	-	On the 4th January 1875	Rigging and Stores -	—	60	60	
VICTOR EMANUEL - - - - -	2	600 (2,424)	3,087 (5,457)	8 Sept. - 1874	20 Oct. - 1874	Rigging and Stores -	35	26	9	
VICTORIA (Coast Guard Cruiser) - - - - -	-	-	131	-	On the 13th August 1874	Rigging and Stores -	—	2	2	Adjustment of Accounts for 1873-74.
VICTORY - - - - -	26	-	2,164 (—)	-	-	Rigging and Stores -	—	—	—	- - ditto - - ditto.
VIGILANT - - - - -	2	250 (4,815)	835 (—)	-	-	Engineers' Stores -	—	38	38	- - ditto - - ditto.
VOLAGE - - - - -	18	600 (4,532)	2,322 (3,078)	- 8 Sept. 1874 -	23 Feb. - 1875	Rigging and Stores -	37	4	33	- - ditto - - ditto.
VULTURE - - - - -	3	160 (847)	664 (774)	-	-	Rigging and Stores -	—	3	3	- - ditto - - ditto.
				9 May - 1874	1 Oct. - 1874	Engineers' Stores -	12	2	10	
WOLVERENE - - - - -	17	400 (4,329)	1,703 (2,434)	-	-	{ Rigging and Stores - Engineers' Stores -	3 7	9 —	6 7	- - ditto - - ditto.
ZEPHYR - - - - -	4	60 (524)	308 (436)	-	On the 5th June 1874	Rigging and Stores -	51	—	51	
				Total - - - - -		{ Rigging and Stores - Engineers' Stores -	1,811 904	2,441 1,085	630 181	

A B S T R A C T.

S E R V I C E.	Page.	D E S C R I P T I O N.	Detailed Head of Charge.	V A L U E O F S T O R E S.		N E T T O T A L.
				Issued, (Ship Credited.)	Received, (Ship Debited.)	
No. 2.—Wear and Tear and Maintenance of the Fleet, in Commission and in Reserve, including Repairs, Refits, Alterations, Works rendered necessary by New Armaments, and the Renewal of Worn-out and Perishable Stores, such as Rigging, Rope, Sails, Blocks, &c.:—	664	Iron Clads built by Contract	{ Rigging and Stores - - - Engineers' Stores - - -	£.	£.	£.
				305	58	247
				44	4	40
In Commission - - - - -	665	Iron Clads built in H.M. Dockyards	{ Rigging and Stores - - - Engineers' Stores - - -	669	286	383
				149	8	441
Not Iron Clad - - - - -	672		{ Rigging and Stores - - - Engineers' Stores - - -	1,812	2,441	630
				904	1,085	181
TOTAL - - - - -			{ Rigging and Stores - - - Engineers' Stores - - -	2,785	2,785	—
				1,097	1,097	—

VALUE OF LAND, ALSO BUILDINGS, INCLUDING SLIPS, BASINS,
STOREHOUSES, &c., AND MANUFACTURING SHOPS;
ALSO VALUE OF PLANT (MACHINERY) ON THE 21st MARCH 1874
AND 20th MARCH 1875.

VALUE of LAND, also BUILDINGS, including SLIPS, BASINS, STOREHOUSES, &c., and MANUFACTURING SHOPS; also Value of PLANT (Machinery), on the 21st March 1874 and 20th March 1875.

HOME YARDS.

		Value on 21st March 1874.	Value on 20th March 1875.		Value on 21st March 1874.	Value on 20th March 1875.
DEPTFORD	- - - - - Land - - - - - Buildings - - - - -	£. — —	£. — —	DEPTFORD - - - - - Machinery - - - - -	£. 24,601	£. 24,601
CHATHAM	- - - - - Land - - - - - Buildings - - - - -	253,330 2,146,865	253,330 2,199,705	CHATHAM - - - - - " - - - - -	245,545	254,851
SHEERNESS	- - - - - Land - - - - - Buildings - - - - -	4,525 986,964	4,525 978,084	SHEERNESS - - - - - " - - - - -	81,545	82,699
PORTSMOUTH	- - - - - Land - - - - - Buildings - - - - -	112,730 3,653,554	112,730 3,797,954	PORTSMOUTH - - - - - " - - - - -	200,153	234,106
DEVONPORT	- - - - - Land - - - - - Buildings - - - - -	89,800 2,446,952	89,800 2,426,272	DEVONPORT - - - - - " - - - - -	303,305	312,883
PEMBROKE	- - - - - Land - - - - - Buildings - - - - -	3,110 673,430	3,110 668,730	PEMBROKE - - - - - " - - - - -	80,417	83,831
HAULBOWLINE	- - - - - Land - - - - - Buildings - - - - -	1,450 267,180	1,450 285,785	HAULBOWLINE - - - - - " - - - - -	1,405	1,405
£.		10,639,890	10,821,475	£.	937,061	994,376

FOREIGN YARDS.

	Value on 21st March 1874.	Value on 20th March 1875.		Value on 21st March 1874.	Value on 20th March 1875.
	£.	£.		£.	£.
ANTIGUA - { Land - Buildings -	90 41,480	90 40,650	ANTIGUA - - - Machinery	-	562
BERMUDA - { Land - Buildings -	6,138 556,630	6,138 556,630	BERMUDA - - - "	-	11,620
CAPE OF GOOD HOPE - { Land - Buildings -	14,000 41,247	14,000 41,960	CAPE OF GOOD HOPE - - - "	-	3,086
ESQUIMALT - { Land - Buildings -	1,200 12,753	1,200 12,500	ESQUIMALT - - - "	-	903
GIBRALTAR - { Land - Buildings -	56,000 40,043	56,000 43,360	GIBRALTAR - - - "	-	6,196
HALIFAX - { Land - Buildings -	19,600 79,294	19,600 77,780	HALIFAX - - - "	-	2,969
HONG KONG - { Land - Buildings -	3,375 27,068	3,375 26,520	HONG KONG AND KOWLOON - - - "	-	4,165
JAMAICA - { Land - Buildings -	2,500 18,435	2,500 18,070	JAMAICA - - - "	-	4,361
KOWLOON - { Land - Buildings -	1,187 7,784	1,187 7,630	MALTA - - - "	-	29,678
MALTA - { Land - Buildings -	50,017 491,217	50,017 482,720	SHANGHAI - - - "	-	380
SHANGHAI - { Land - Buildings -	1,500 13,695	1,500 13,420	SIERRA LEONE - - - "	-	-
SIERRA LEONE - { Land - Buildings -	- -	- -	SINGAPORE - - - "	-	113
SINGAPORE - { Land - Buildings -	6,715 300	6,580 300	TRINCOMALEE - - - "	-	-
TRINCOMALEE - { Land - Buildings -	40,078	39,270			
TOTAL - - - { Land - £. Buildings - £.	155,907 1,385,876	155,907 1,367,090		£.	63,983

(signed) C. Pasley,
Director of Engineering and Architectural Works.

STATEMENT

Showing the VALUE of the STOCK of TIMBER and STORES at the Commencement and End of the Financial Year 1874-75 at the DOCKYARDS at HOME and those NAVAL YARDS ABROAD from which Expense Accounts have been received.

HOME YARDS.

STATEMENT showing the VALUE of the Stock of TIMBER and

DESCRIPTION.	DEPTFORD.		CHATHAM.		SHEERNESS.		
	21 March 1874.	20 March 1875.	21 March 1874.	20 March 1875.	21 March 1874.	20 March 1875.	
I.—TIMBER AND TIMBER MATERIALS.	£.	£.	£.	£.	£.	£.	
Oak and Substitutes for Oaks.							
1. African - - - - -	-	-	27	17	70	58	1
2. Cedar - - - - -	7	10	297	492	6	-	2
3. Greenheart - - - - -	76	151	1,025	721	1,078	2,114	3
4. Mahogany, Honduras - - - - -	394	346	5,224	4,344	3,783	2,653	4
5. " Mexican - - - - -	99	71	1,054	1,785	829	596	5
6. " Spanish - - - - -	330	284	2,119	1,355	844	632	6
7. Oak, American - - - - -	81	44	746	485	972	425	7
8. " Dantzic - - - - -	754	672	7,187	7,449	4,038	3,233	8
9. " English - - - - -	552	1,246	21,906	22,660	8,496	11,768	9
10. " Italian, of sorts (including Sar- dinian) - - - - -	-	20	26,919	23,335	2,105	2,671	10
11. Sabicu - - - - -	-	-	232	123	12	43	11
12. Teak, Indian - - - - -	709	1,632	31,625	40,022	10,027	7,898	12
13. Miscellaneous (including Old Oak and its Substitutes) - - - - -	-	-	2,185	1,896	1,224	1,306	13
Elms, Firs, Pines, &c.							
14. Elm, English - - - - -	296	378	2,496	3,062	898	1,478	14
15. " Canada - - - - -	473	174	998	1,756	774	549	15
16. Fir, Dantzic - - - - -	936	461	1,395	4,518	1,863	3,378	16
17. " Riga - - - - -	730	712	2,051	1,543	1,813	470	17
18. Pine, American Pitch - - - - -	77	77	2,592	3,611	1,617	1,427	18
19. " Canada Red - - - - -	85	292	2,650	2,793	1,827	1,677	19
20. " " Yellow - - - - -	421	189	3,381	1,606	1,147	1,006	20
21. " Douglas - - - - -	-	-	16	-	-	60	21
22. " New Zealand, Cowdie - - - - -	3	-	83	44	155	145	22
23. Miscellaneous (including Ash, Beech, Lignum Vitæ, Hornbeam, Larch, Ash Oak Rafter, &c., and Old Elm and Fir) - - - - -	5	6	337	72	314	128	23
Rough Spars for Masts, Yards, &c.							
24. Canada Red Pine - - - - -	-	-	-	-	218	115	24
25. " Yellow Pine - - - - -	23	113	4,104	3,134	642	605	25
26. Douglas Pine - - - - -	-	-	-	-	48	48	26
27. New Zealand - - - - -	-	-	1,080	570	353	353	27
28. Norway - - - - -	93	137	360	317	272	63	28
29. Riga - - - - -	1,572	852	3,174	4,589	1,764	2,008	29
30. Miscellaneous - - - - -	12,956	21,991	471	266	1,073	1,270	30
Deals.							
31. Canada - - - - -	552	584	1,795	3,398	1,178	565	31
32. Dantzic - - - - -	1,006	1,002	6,058	7,575	3,430	4,379	32
33. Miscellaneous - - - - -	-	-	-	-	-	-	33
Value of Timber, &c. - - - - £.	22,230	31,444	133,287	143,394	52,870	53,121	34
II.—STORES.							
Sub-head B.—Metals and Metal Articles, including Iron and Armour Plates, for Iron and Iron-cased Ships, Iron Beams and Masts.							
1. Anchors and Stocks, Iron - - -	66	68	12,848	13,657	31,548	31,320	35
2. " Stocks, Wood, for - - -	-	-	279	184	912	1,210	36
Brass Tubes and Braziers' Goods, viz.:							
3. Brass Tubes - - - - -	234	344	837	4,860	8,312	19,602	37
4. Braziers' Goods, including Conduc- tors (Lightning), Steam Gauges, Engine-room Telegraphs, Steer- ing Apparatus, Thermometers, Engine-room Indicators, &c. - - -	2,889	3,265	15,824	5,946	23,780	6,464	38
5. Cables, Chain, and Gear - - -	739	804	14,524	19,493	32,277	42,060	39
6. Capstans, Iron, and Gear - - -	-	-	534	870	378	780	40
7. Copper and Muntz's Metal, Cake, &c. - - -	-	-	15,222	12,246	10	-	41
8. Copper Nails, Washers, and Rivets - - -	1,656	1,280	1,494	1,945	2,285	1,756	42
9. " Sheets, Bolts, &c., manufac- tured - - - - -	3,964	5,366	16,814	21,112	10,360	9,633	43
10. " Old - - - - -	1	76	66,401	70,373	4,298	7,716	44
11. Files and Steel - - - - -	1,368	1,254	2,869	3,547	2,389	2,178	45
Value of Metal Articles, &c., carried forward - £.	10,917	12,457	147,646	154,233	116,549	122,719	46

HOME YARDS.

STORES at the DOCKYARDS at HOME in 1874-75.

	PORTSMOUTH.		DEVONPORT.		PEMBROKE.		HAULBOWLINE.		TOTAL HOME YARDS.	
	21 March 1874.	20 March 1875.	21 March 1874.	20 March 1875.	21 March 1874.	20 March 1875.	21 March 1874.	20 March 1875.	21 March 1874.	20 March 1875.
	£.	£.	£.	£.	£.	£.	£.	£.	£.	£.
1	17	-	239	166	297	296	1	1	651	538
2	63	-	127	63	125	72	-	-	625	637
3	5,402	3,126	1,907	1,842	1,657	613	11	10	11,156	8,577
4	988	498	4,850	5,479	2,738	2,410	13	10	17,990	15,740
5	3,293	1,255	7,750	8,698	3,054	2,658	21	21	16,100	15,084
6	1,162	814	408	127	376	265	8	6	5,247	3,483
7	188	161	645	200	389	71	4	3	3,025	1,389
8	6,577	6,236	5,077	5,245	5,542	4,811	1	-	29,176	27,646
9	14,555	12,991	17,687	21,128	24,650	23,819	34	23	87,880	93,635
10	18,392	16,460	6,908	6,344	12,425	12,165	-	-	66,749	60,995
11	45	71	425	396	145	135	3	3	862	771
12	12,198	8,915	10,802	12,816	11,964	21,435	97	30	77,422	92,748
13	414	-	3,402	3,181	277	409	12	10	7,514	6,802
14	2,377	272	1,874	2,018	1,346	1,757	70	47	9,357	9,012
15	1,623	396	828	1,145	290	222	19	7	5,005	4,249
16	1,909	3,045	366	2,988	1,679	800	14	181	8,162	15,371
17	319	-	1,981	957	259	50	15	11	7,163	3,743
18	24	648	1,419	2,084	499	309	-	-	6,228	8,156
19	923	2,872	2,114	1,684	1,509	1,098	9	8	9,117	10,424
20	3,519	5,132	1,984	3,419	2,986	2,867	9	8	13,447	14,227
21	31	-	35	24	-	-	-	-	82	84
22	44	38	271	241	89	57	1	-	646	525
23	4,639	2,166	Cr. 416	674	56	33	3	-	5,238	1,587
24	238	43	62	63	44	38	-	-	562	259
25	4,678	4,444	10,102	9,452	-	-	20	20	19,569	17,768
26	7,138	6,151	3,210	3,210	38	38	-	-	10,434	9,447
27	5,759	5,130	5,653	5,307	-	-	-	-	12,845	11,360
28	34	109	159	207	84	69	5	2	1,007	904
29	2,490	1,931	1,716	730	59	59	82	58	10,857	10,227
30	3,842	2,969	4,658	4,374	14	14	73	61	22,787	30,945
31	968	690	2,154	1,923	809	765	1	-	7,457	7,925
32	5,195	4,664	5,531	5,590	5,166	3,230	284	33	26,670	26,473
33	-	-	-	-	-	23	-	-	-	23
34	109,044	91,227	104,228	110,427	78,566	80,542	810	553	501,035	510,708
35	45,166	49,613	38,549	42,450	6,326	6,511	903	980	135,406	144,599
36	27	31	1,208	881	140	186	44	54	2,610	2,546
37	24,887	33,465	13,250	20,772	49	1,024	16	1	47,585	80,068
38	27,529	13,580	25,493	15,736	2,550	874	112	49	98,177	45,914
39	42,380	54,013	44,630	57,560	3,111	7,206	1,421	1,840	139,082	182,976
40	674	1,659	848	1,426	309	242	-	-	2,743	4,977
41	46	10	1	3,178	-	-	-	-	15,279	15,434
42	3,394	3,531	2,451	1,528	428	248	129	98	11,837	10,386
43	15,286	16,463	27,775	15,248	2,224	1,094	317	132	76,740	69,048
44	7,830	5,001	22,175	18,755	2,667	2,000	2	1	103,374	103,922
45	3,524	4,832	2,993	4,682	774	884	22	21	13,939	17,398
46	170,743	182,198	179,373	182,216	18,578	20,269	2,966	3,176	646,772	677,268

STATEMENT showing the VALUE of the Stock of Timber and Stores

DESCRIPTION.		DEPTFORD.		CHATHAM.		SHEERNESS.		
		21 March 1874.	20 March 1875.	21 March 1874.	20 March 1875.	21 March 1874.	20 March 1875.	
II.—Stores—continued.		£.	£.	£.	£.	£.	£.	
Value of Metal Articles, &c., brought forward -		10,917	12,457	147,646	154,233	116,549	122,719	1
Sub-head B.—Metals and Metal Articles, including Iron and Armour Plates, for Iron and Iron-cased Ships, Iron Beams and Masts—continued.	12. Firehearths, Stoves, Cooking, and Distilling Apparatus - - - }	1,485	1,647	2,141	2,246	4,321	3,329	2
	13. Iron, British (including Steel Plates, Angle, &c.) - - - }	2,361	836	40,402	43,541	7,964	5,804	3
	14. " Nails and Washers - - -	769	1,022	802	636	316	355	4
	15. " Pig, Melting - - -	1,354	455	2,199	1,467	363	218	5
	16. " Pig, Ballast - - -	301	711	5,908	10,024	1,964	2,174	6
	17. " Re-manufactured - - -	4,640	4,324	25,391	29,964	5,709	3,277	7
	18. " Rivets - - -	283	232	7,849	7,099	1,096	1,243	8
	19. " Old - - -	33	4	4,770	5,995	1,241	896	9
	20. Ironmongery - - -	4,328	7,976	16,910	25,091	15,849	14,974	10
	21. - - -	-	-	-	-	-	-	11
	22. Iron Wire Rope - - -	404	544	335	1,888	2,910	3,660	12
	23. Lead, Pig and Old - - -	2	10	2,862	2,650	435	203	13
	24. " Sheet, Pipe and Castings - - -	1,532	1,440	1,136	2,285	1,150	705	14
	25. Pumps, Fire and Watering Engines, and Gear - - - }	1,432	1,159	4,578	3,997	8,428	7,269	15
	26. Tools - - -	1,138	1,874	2,123	5,725	4,550	4,048	16
	27. Metals, Miscellaneous - - -	733	794	205	6,843	547	764	17
	28. Armour Plates - - -	-	-	1,447	1,438	-	-	18
	29. Iron Beams and Carlings - - -	-	-	701	1,197	24	51	19
	30. " and Steel Masts and Yards - - -	-	-	145	144	-	-	20
31. Articles of Machinery - - -	114	-	3,767	6,964	23,349	29,069	21	
Value of Metal Articles, &c. - - - £.		31,826	35,485	271,317	313,427	196,765	200,758	22
Sub-head C.	Coals and Patent Fuel - - - -	84	108	2,480	7,144	4,466	4,427	23
Sub-head D.—Hemp, Canvas, &c.	1. Bags, Seamen's, and Sacks, Coal - - -	883	1,719	342	869	2,327	1,539	24
	2. Canvas - - -	11,384	17,398	4,342	6,356	4,107	2,710	25
	3. Canvas, Sails, Awnings, Covers, and all Canvas Articles manufactured - - }	1,392	1,003	5,795	2,928	6,104	7,274	26
	4. Colours, Bunting and Worsted - - -	3,347	2,248	1,660	2,319	1,762	960	27
	5. Fearnought and Kersey - - -	752	635	409	423	397	142	28
	6. Hammocks - - -	4,370	6,256	443	1,638	2,090	1,279	29
	7. Italian Hemp - - -	3	-	12,406	9,646	-	-	30
	8. " Yarn - - -	-	-	8,244	5,792	-	-	31
	9. " Cordage, Lines, Twine, &c. - - -	3,178	3,793	4,965	6,212	1,057	1,793	32
	10. Petersburg, Hemp - - -	-	-	24,424	14,292	1	-	33
	11. " Yarn - - -	-	-	24,303	14,433	-	-	34
	12. " Cordage, Lines, Twine, &c. - - -	11,061	7,622	8,474	11,271	2,963	4,454	35
	13. Riga Hemp - - -	-	-	12,949	21,774	Cr. 9	-	36
	14. " Yarn - - -	-	113	8,829	34,765	-	-	37
	15. " Cordage, Lines, Twine, &c. - - -	2,719	6,728	7,517	5,770	1,981	2,616	38
	16. Miscellaneous Hemp - - -	-	-	40	1	-	-	39
	17. " Yarn - - -	-	-	101	833	203	6	40
	18. " Cordage, Lines, Twine, &c. - - -	543	258	2,725	4,756	4,059	2,928	41
	19. Rigging, Fitted, Rope - - -	-	-	3,229	182	5,095	1,407	42
Value of Hemp, &c. - - - £.		39,632	47,773	131,195	144,254	32,137	27,108	43
Sub-head E.—Paint Materials, Oils, Pitch, Tar, Tallow, and other Miscellaneous Articles.	1. Ash Goods - - -	191	317	293	535	395	248	44
	2. Boats - - -	174	142	4,251	3,288	6,201	6,477	45
	3. Brooms and Brushes - - -	1,783	2,374	363	577	571	436	46
	4. Candles - - -	120	34	228	360	244	169	47
	5. Carvers' Work - - -	-	-	110	110	32	32	48
	6. Furniture, &c., for Official Residences - - -	-	-	-	-	-	-	-
	7. " " " for Officers' use on Board H.M.'s Ships - - - }	1,218	916	3,835	5,056	4,012	4,283	49
	8. Glass and Glaziers' Wares - - -	406	537	344	274	422	377	50
	9. Hides and Leather - - -	1,905	2,486	1,881	4,348	1,027	1,135	51
	10. Masts and Mast Gear, manufactured - - -	-	-	7,153	5,210	5,221	4,080	52
	11. Oars, Ash, Shaped - - -	-	-	Cr. 94	2,797	-	-	53
Value of Paints, &c., carried forward - - - £.		5,797	6,806	18,364	22,555	18,125	17,237	54

at the Dockyards at Home in 1874-75—continued.

	PORTSMOUTH.		DEVONPORT.		PEMBROKE.		HAULBOWLINE.		TOTAL HOME YARDS.	
	21 March 1874.	20 March 1875.	21 March 1874.	20 March 1875.	21 March 1874.	20 March 1875.	21 March 1874.	20 March 1875.	21 March 1874.	20 March 1875.
	£.	£.	£.	£.	£.	£.	£.	£.	£.	£.
1	170,743	182,198	179,373	182,216	18,578	20,269	2,966	3,176	646,772	677,268
2	13,574	10,492	8,391	8,128	320	248	247	23	30,479	26,113
3	60,020	55,020	31,278	21,431	27,111	8,134	39	35	169,175	134,801
4	795	1,062	812	742	315	372	35	37	3,844	4,226
5	2,057	2,713	1,286	630	819	532	-	-	8,078	6,015
6	2,482	2,894	2,680	3,325	749	641	248	248	14,332	20,017
7	20,512	15,976	9,427	10,950	7,822	4,728	31	24	73,532	69,243
8	4,271	6,518	2,088	1,948	1,695	822	21	4	17,303	17,866
9	1,280	5,027	3,136	4,856	1,353	936	1	5	11,814	17,719
10	37,792	38,713	30,846	29,023	3,462	4,005	382	144	109,569	119,926
11	-	-	-	-	-	-	-	-	-	-
12	4,241	3,051	6,081	5,528	20	33	-	2	13,991	14,706
13	759	39	459	485	114	6	-	-	4,631	3,393
14	377	2,374	1,471	1,531	703	1,251	31	36	6,400	9,622
15	11,232	11,935	7,226	6,966	587	513	100	31	33,583	31,870
16	10,744	9,666	9,808	7,485	824	871	144	61	29,331	29,730
17	498	3,277	424	1,548	24	620	49	5	2,480	13,851
18	177	9,548	638	638	52,786	42,791	-	-	55,048	54,415
19	585	165	402	749	1,046	264	-	-	2,758	2,426
20	33	2,620	284	47	-	-	-	-	462	3,518
21	60,247	53,101	42,142	58,701	456	40	224	216	130,299	148,091
22	402,419	416,389	338,252	347,634	118,784	87,076	4,518	4,047	1,363,881	1,404,816
23	12,380	18,063	8,387	13,675	3,289	2,073	1,800	2,450	32,886	47,940
24	4,445	7,763	5,363	3,931	Cr. 10	100	275	21	13,625	15,942
25	14,709	14,836	2,922	5,048	80	94	157	81	37,701	46,523
26	14,585	19,737	9,602	10,188	1	4	150	56	37,629	41,190
27	8,118	6,888	3,536	1,970	71	42	90	63	18,584	14,484
28	1,093	880	707	386	40	25	11	5	3,409	2,496
29	3,434	3,117	3,387	4,589	1	11	187	189	13,912	17,079
30	-	-	19,941	9,022	2	1	-	-	32,352	18,669
31	-	-	6,293	6,688	-	-	-	-	14,537	12,480
32	5,874	6,499	7,074	5,822	289	550	48	66	22,483	24,735
33	53	112	12,487	6,954	-	-	-	-	36,965	21,358
34	-	-	41,587	33,857	-	-	-	-	65,890	48,290
35	14,003	14,047	12,709	15,171	1,535	988	828	1,063	51,573	54,616
36	-	8	6,786	24,059	-	21	-	-	19,726	45,862
37	-	-	15,951	39,507	16	16	-	-	24,796	74,401
38	6,649	8,352	7,621	9,269	368	228	159	149	27,014	33,112
39	-	-	76	4	-	-	-	-	116	5
40	-	7	415	917	-	-	4	-	723	1,763
41	1,512	4,443	8,019	4,035	69	99	163	84	17,090	16,603
42	16,605	12,603	6,386	5,085	-	-	-	-	31,315	19,277
43	91,080	99,292	170,862	186,502	2,462	2,179	2,072	1,777	469,440	508,885
44	573	356	660	464	41	26	33	27	2,186	1,973
45	13,992	11,484	5,991	8,639	155	124	193	201	30,957	30,355
46	2,718	2,061	2,677	1,572	26	80	59	25	8,197	7,125
47	107	299	172	258	265	78	2	1	1,138	1,199
48	424	366	18	10	-	-	-	-	584	518
49	7,986	13,688	7,922	8,216	164	127	32	21	25,169	32,307
50	1,792	1,900	2,637	2,495	147	77	43	11	5,791	5,671
51	4,145	4,345	5,690	5,882	113	106	45	53	14,806	18,355
52	5,411	4,868	9,738	7,564	Cr. 1	-	19	-	27,541	21,722
53	-	-	218	973	-	-	-	-	124	3,770
54	37,148	39,367	35,723	36,073	910	618	426	339	116,493	122,995

STATEMENT showing the VALUE of the Stock of Timber and Stores

DESCRIPTION.		DEPTFORD.		CHATHAM.		SHEERNESS.	
		21 March 1874.	20 March 1875.	21 March 1874.	20 March 1875.	21 March 1874.	20 March 1875.
II.—Stores—continued.		£.	£.	£.	£.	£.	£.
Value of Paint, &c., brought forward - -		5,797	6,806	18,364	22,555	18,125	17,237
Sub-head E.—Paint Materials, Oils, Pitch, Tar, Tallow, and other Miscellaneous Articles—contd.	12. Oars, Ash, Manufactured - -	594	800	601	1,001	685	454
	13. Oil, Linseed, Gallipoli, &c. - -	5,417	2,425	549	1,974	1,572	745
	14. Paint, &c., Mineral Black, Turpentine, Rosin, and other Materials (ingredients) - -	484	569	1,746	1,412	514	451
	15. „ Red and White Lead (ingredients) - -	650	1,079	282	200	613	289
	16. „ Mixed - -	3,062	3,191	1,604	2,205	1,344	1,421
	17. Pitch and Tar - -	716	711	4,124	2,380	937	643
	18. Soap, Soft - -	558	441	50	21	99	78
	19. Stone, Bricks, Lime, Cement, &c. - -	255	257	896	1,316	175	160
	20. Tallow - -	2,900	2,184	519	949	602	520
	21. Stores, Miscellaneous - -	13,195	15,289	12,015	14,639	15,197	12,045
	Value of Paints, &c. - - - £.	33,628	33,752	40,750	48,652	39,863	34,043
Miscellaneous (Stores not belonging to Vote 10, sec. 1) - - - - -		-	-	-	1,692	29,730	16,925

ABSTRACT

Sub-head (Vote 10, Sec. 1).	DESCRIPTION.	Page.	DEPTFORD.		CHATHAM.		SHEERNESS.	
			21 March 1874.	20 March 1875.	21 March 1874.	20 March 1875.	21 March 1874.	20 March 1875.
A.	TIMBER, &c. - - - -	680	£. 22,230	£. 31,444	£. 133,287	£. 143,394	£. 52,870	£. 53,121
B.	METAL, &c. - - - -	682	31,826	35,485	271,347	313,427	196,765	200,758
C.	COALS, &c. - - - -	682	84	108	2,480	7,144	4,466	4,427
D.	HEMP, &c. - - - -	682	39,632	47,773	131,195	144,254	32,137	27,108
E.	PAINT, &c. - - - -	684	33,628	33,752	40,750	48,652	39,863	34,043
TOTAL - - - £.			127,400	148,562	579,029	656,871	326,101	319,457
Miscellaneous (Stores not belonging to Vote 10, sec. 1) - - -			-	-	-	1,692	29,730	16,925
GRAND TOTAL - - - £.			127,400	148,562	579,029	658,563	355,831	336,382

at the Dockyards at Home in 1874-75—*continued*.

	PORTSMOUTH.		DEVONPORT.		PEMBROKE.		HAULBOWLINE.		TOTAL HOME YARDS.	
	21 March 1874.	20 March 1875.	21 March 1874.	20 March 1875.	21 March 1874.	20 March 1875.	21 March 1874.	20 March 1875.	21 March 1874.	20 March 1875.
	£.	£.	£.	£.	£.	£.	£.	£.	£.	£.
1	37,148	39,367	35,723	36,073	910	618	426	339	116,493	122,995
2	1,749	1,171	1,072	-	35	24	27	71	4,763	3,521
3	5,616	7,620	5,573	2,375	491	86	155	157	19,373	15,382
4	3,458	4,032	2,131	1,522	83	217	45	15	8,461	8,218
5	2,031	1,275	1,360	526	350	74	1	5	5,287	3,448
6	6,060	5,121	5,472	2,713	360	717	35	154	17,937	15,522
7	947	567	3,071	2,349	496	245	5	12	10,296	6,907
8	389	467	363	474	122	41	-	-	1,581	1,522
9	988	1,176	2,029	1,667	328	105	16	3	4,687	4,684
10	1,926	1,796	1,878	1,762	391	254	19	9	8,235	7,474
11	32,626	40,105	28,825	26,655	2,292	2,046	370	327	104,520	111,106
12	92,938	102,697	87,497	76,116	5,858	4,427	1,099	1,092	301,633	300,779
13	21,477	28,471	25,589	19,179	-	-	-	-	76,796	66,267

OF TOTALS.

	PORTSMOUTH.		DEVONPORT.		PEMBROKE.		HAULBOWLINE.		TOTAL HOME YARDS.	
	21 March 1874.	20 March 1875.	21 March 1874.	20 March 1875.	21 March 1874.	20 March 1875.	21 March 1874.	20 March 1875.	21 March 1874.	20 March 1875.
	£.	£.	£.	£.	£.	£.	£.	£.	£.	£.
14	109,044	91,227	104,228	110,427	78,566	80,542	810	553	501,035	510,708
15	402,419*	416,389	338,252	347,634	118,784	87,076	4,518	4,047	1,363,881	1,404,816
16	12,380	18,063	8,387	13,675	3,289	2,073	1,800	2,450	32,886	47,940
17	91,080	99,292	170,862	186,502	2,462	2,179	2,072	1,777	469,440	508,885
18	92,938	102,697	87,497	76,116	5,858	4,427	1,099	1,092	301,633	300,779
19	707,861	727,668	709,226	734,354	208,959	176,297	10,299	9,919	2,668,875	2,773,128
20	21,477*	28,471	25,589	19,179	-	-	-	-	76,796	66,267
21	729,338	756,139	734,815	753,533	208,959	176,297	10,299	9,919	2,745,671	2,839,395

* £. 9,661 has been transferred from "Machinery awaiting disposal" to Sub-head B., to adjust the Accounts for 1873-74.

FOREIGN YARDS.

STATEMENT showing the VALUE of the STOCK of TIMBER and STORES at those

DESCRIPTION.		ANTIGUA.		BERMUDA.		CAPE OF GOOD HOPE.		ESQUIMALT.		GIBRALTAR.		HALIFAX.					
		21 March 1874.	20 March 1875.	21 March 1874.	20 March 1875.	21 March 1874.	20 March 1875.	21 March 1874.	20 March 1875.	21 March 1874.	20 March 1875.	21 March 1874.	20 March 1875.				
		£.	£.	£.	£.	£.	£.	£.	£.	£.	£.	£.	£.				
I.—TIMBER AND TIMBER MATERIALS.																	
Sub-head A.—Timber, Masts, Deals, &c.	Oak and Substitutes for Oaks.	1. African - - - -	-	-	46	49	18	14	-	-	3	2	-	-			
		2. Cedar - - - -	-	-	5	4	-	-	-	-	-	-	-	-			
		3. Greenheart - - -	-	-	-	-	81	45	-	-	-	-	-	-			
		4. Mahogany, Honduras -	-	-	138	124	13	2	32	28	1	30	52	37			
		5. " Mexican - - -	-	-	9	6	50	38	-	-	7	5	24	15			
		6. " Spanish - - -	-	-	38	47	24	27	74	71	-	6	-	-			
		7. Oak, American - -	-	-	69	49	-	-	2	1	1	2	424	440			
		8. " Dantzic - - -	-	-	69	76	-	-	11	4	1	-	-	-			
		9. " English - - -	-	-	338	307	41	80	396	408	4	48	91	84			
		10. " Italian, of sorts (in- cluding Sardinian)	-	-	40	8	-	-	-	-	-	-	-	-			
		11. Sabicu - - - -	-	-	11	11	-	-	-	-	-	10	43	27			
		12. Teak, Indian - -	-	-	241	199	286	348	249	280	-	-	12	11			
		13. Miscellaneous (including Old Oak and its Sub- stitutes).	-	-	80	24	28	15	-	-	-	-	-	-			
Sub-head B.—Elms, Firs, Pines, &c.	Elms, Firs, Pines, &c.	14. Elm, English - - -	-	-	302	268	39	69	170	184	1	21	72	66			
		15. " Canada - - -	-	-	36	45	74	113	117	128	-	21	242	205			
		16. Fir, Dantzic - - -	-	-	56	98	34	58	-	-	15	33	-	-			
		17. " Riga - - - -	-	-	-	2	39	53	-	-	5	3	-	-			
		18. Pine, American Pitch -	-	-	99	48	-	-	-	-	5	1	3	-			
		19. " Canada, Red - -	-	-	28	28	25	12	-	-	-	80	289	201			
		20. " " Yellow - - -	-	-	1,202	1,024	10	72	-	-	-	-	-	-			
		21. " Douglas - - -	-	-	-	-	-	-	36	89	-	-	-	-			
		22. " New Zealand Cowdie -	-	-	11	11	17	6	-	-	-	-	-	-			
		23. Miscellaneous (including Ash, Beech, Lignum Vitæ, Hornbeam, Larch, Ash Oar Rafters, &c., and Old Elm and Fir) - - -	-	-	159	138	3	9	-	-	10	14	222	235			
		Sub-head C.—Rough Spars for Masts, Yards, &c.	Rough Spars for Masts, Yards, &c.	24. Canada Red Pine - -	-	-	-	-	223	212	-	-	-	-	376	376	
				25. " Yellow Pine - -	-	-	794	570	965	965	-	-	-	-	-	167	168
				26. Douglas Pine - - -	-	-	829	844	144	75	-	-	-	-	-	-	-
27. New Zealand - - -	-			-	41	44	24	19	-	-	3	8	136	155			
28. Norway - - - -	-			-	504	557	337	156	-	-	84	226	407	561			
29. Riga - - - -	-			-	289	284	39	29	-	-	-	-	-	-	-		
30. Miscellaneous - - -	-			-	-	-	-	-	-	-	-	-	-	-	-		
Sub-head D.—Deals.	Deals.	31. Canada - - - -	-	-	34	46	55	6	-	-	1	18	2	1			
		32. Dantzic - - - -	-	-	325	405	33	35	-	-	1	28	-	-	-		
		33. Miscellaneous - - -	-	-	-	-	-	-	2	1	-	-	-	-	-		
Value of Timber, &c. - - £.		-	-	5,793	5,316	2,602	2,458	1,337	1,718	141	554	2,562	2,582				
II.—STORES.																	
Sub-head B.—Metals and Metal Articles, including Iron and Armour Plates, for Iron and Iron-cased Ships, Iron Beams and Masts.	1. Anchors and Stocks, Iron 2. " Stocks, Wood, for Brass Tubes and Braziers' Goods, viz. : 3. Brass Tubes - - - 4. Braziers' Goods, includ- ing Conductors (Light- ning), Steam Gauges, Engine-room, Tele- graphs, Steering Appa- ratus, Thermome- ters, Engine-room In- dicators, &c. - - - 5. Cables, Chain and Gear - 6. Capstans, Iron, and Gear 7. Copper and Muntz's Metal, Cake, &c. - - 8. Copper Nails, Washers, and Rivets - - - 9. " Sheets, Bolts, &c., manufactured - - - 10. " Old - - - - 11. Files and Steel - - -	-	-	5,597	6,495	3,431	2,966	1,426	1,517	1,568	1,953	4,059	4,275				
		-	-	46	96	23	49	57	57	77	53	148	158				
		-	-	1,605	1,462	253	401	164	200	79	116	159	209				
		-	-	2,504	2,573	943	1,118	846	842	214	218	681	631				
		-	-	7,223	7,989	4,452	4,101	1,916	1,962	1,147	1,097	3,905	5,594				
		-	-	2	-	-	-	-	-	-	-	-	-				
		-	-	-	-	172	94	-	-	88	25	-	-				
		-	-	490	437	257	262	133	200	49	51	274	281				
		-	-	1,951	1,547	1,650	1,089	693	831	222	185	1,116	1,091				
		-	-	3,601	1,860	121	217	139	136	187	156	429	1,101				
		-	-	203	251	285	411	177	177	160	138	196	181				
		Value of Metal Articles, &c., - - £.		-	-	23,222	22,710	11,587	10,708	5,551	5,922	3,741	3,992	10,967	13,531		
		carried forward - - -		-	-	-	-	-	-	-	-	-	-	-	-		

FOREIGN YARDS.

DOCKYARDS, &c. ABROAD, from which Expense Accounts have been received in 1874-75.

	HONG KONG.		JAMAICA.		MALTA.		SHANGHAI.		SIERRA LEONE.		SYDNEY.		TRINCOMALEE.		TOTAL FOREIGN YARDS.	
	21 March 1874.	20 March 1875.	21 March 1874.	20 March 1875.	21 March 1874.	20 March 1875.	21 March 1874.	20 March 1875.	21 March 1874.	20 March 1875.	21 March 1874.	20 March 1875.	21 March 1874.	20 March 1875.	21 March 1874.	20 March 1875.
	£.	£.	£.	£.	£.	£.	£.	£.	£.	£.	£.	£.	£.	£.	£.	£.
1	-	-	2	2	1	-	-	-	-	-	-	-	-	-	67	65
2	-	-	18	15	-	-	-	-	-	-	-	1	-	-	25	23
3	-	-	14	36	9	9	-	-	-	-	-	-	-	-	104	90
4	-	1	102	103	660	295	-	-	-	-	-	-	-	-	998	620
5	-	-	34	29	29	21	-	-	-	-	-	-	-	-	153	114
6	-	-	12	11	251	134	-	-	-	-	-	-	-	-	399	291
7	90	64	9	25	-	-	-	-	-	-	-	-	-	-	595	581
8	-	7	55	109	83	88	-	-	-	-	-	-	-	-	219	284
9	141	150	44	57	357	402	1	3	-	-	-	-	9	19	1,422	1,558
10	-	-	-	-	95	75	-	-	-	-	-	-	-	-	135	83
11	-	-	-	-	1	-	-	-	-	-	-	-	-	-	12	11
12	143	228	69	64	306	236	147	130	-	-	-	-	57	26	1,541	1,548
13	15	8	-	-	18	31	19	24	-	-	-	-	468	378	640	491
14	6	24	52	83	225	263	-	-	-	-	-	-	-	-	867	978
15	43	10	38	24	3	78	-	2	-	-	-	-	-	-	553	626
16	62	-	-	-	182	200	2	1	-	-	-	-	1	2	352	392
17	23	7	-	-	166	78	7	-	-	-	-	-	-	1	240	144
18	-	-	265	700	-	-	1	1	-	-	-	-	-	-	373	750
19	9	3	-	5	38	24	1	-	-	-	-	-	-	-	101	72
20	18	2	-	2	41	287	3	13	-	-	-	-	-	-	1,563	1,681
21	-	-	-	-	-	-	-	-	-	-	-	-	-	-	36	89
22	-	-	-	-	40	35	-	-	-	-	-	-	-	-	68	52
23	12	62	144	129	152	205	7	4	-	-	-	10	1	1	710	802
24	-	-	148	148	-	-	-	-	-	-	-	-	-	-	371	360
25	-	-	313	170	1,067	830	-	-	-	-	-	-	-	-	3,515	2,911
26	-	-	-	-	-	-	-	-	-	-	-	-	-	-	248	521
27	-	-	134	134	1,222	956	-	-	-	-	-	46	1,034	1,034	3,530	3,252
28	51	74	13	12	14	72	19	17	-	-	-	27	13	8	178	281
29	147	50	285	249	2,813	2,446	46	9	-	-	-	99	1,656	1,542	6,008	5,488
30	-	-	130	208	1,468	1,104	49	49	-	-	-	-	33	33	2,415	2,268
31	99	82	101	84	39	125	4	4	-	-	-	-	3	2	338	368
32	556	89	209	144	270	343	9	6	-	-	-	-	5	9	1,408	1,055
33	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-
34	1,415	861	2,191	2,543	9,550	8,337	315	263	-	-	-	183	3,280	3,055	29,186	27,870
35	8,528	7,876	2,997	3,141	17,513	19,675	529	529	-	-	722	1,653	5,433	5,473	51,803	55,555
36	61	-	231	233	1,071	1,206	-	-	-	-	-	-	16	16	1,730	1,866
37	2,015	3,610	1,769	1,744	6,777	7,163	-	-	-	-	65	78	92	32	12,918	15,011
38	4,486	2,598	632	755	4,944	2,265	141	134	-	-	241	305	441	458	16,073	11,891
39	6,448	7,322	3,353	3,466	19,232	20,723	497	499	-	-	1,869	1,999	3,462	3,462	53,504	58,211
40	-	30	4	4	468	507	-	-	-	-	-	-	-	-	474	54
41	97	97	-	-	462	428	-	-	-	-	-	-	-	-	769	64
42	801	619	280	258	1,120	864	59	57	-	-	84	272	714	664	4,261	3,901
43	3,699	3,038	968	926	5,587	2,014	75	69	-	-	234	882	346	450	16,541	12,111
44	4,042	4,725	635	902	1,208	1,764	87	10	-	-	188	212	305	258	10,942	11,341
45	415	344	118	91	1,656	1,421	7	7	-	-	49	66	75	61	3,341	3,111
46	30,592	30,259	10,987	11,520	60,038	58,030	1,395	1,305	-	-	3,452	5,467	10,824	10,874	172,356	174,341

STATEMENT showing the VALUE of the Stock of Timber and Stores at those Dockyards, &c.

DESCRIPTION.	ANTIGUA.		BERMUDA.		CAPE OF GOOD HOPE.		ESQUIMALT.		GIBRALTAR.		HALIFAX.	
	21 March 1874.	20 March 1875.	21 March 1874.	20 March 1875.	21 March 1874.	20 March 1875.	21 March 1874.	20 March 1875.	21 March 1874.	20 March 1875.	21 March 1874.	20 March 1875.
II.—Stores—continued.												
Value of Metal Articles, &c., } brought forward - - -	£.	£.	£.	£.	£.	£.	£.	£.	£.	£.	£.	£.
	-	-	23,222	22,710	11,587	10,708	5,551	5,922	3,741	3,992	10,967	13,531
Sub-head B.—Metals and Metal Articles, including Iron and Armour Plates, for Iron and Iron-cased Ships, Iron Beams and Masts—continued.												
12. Firehearth, Stoves, Cooking and Distilling Apparatus	-	-	704	589	226	254	337	380	3	3	628	502
13. Iron, British (including Steel Plates, Angle, &c.)	-	-	2,597	3,957	997	1,076	525	521	1,004	816	224	282
14. " Nails and Washers	-	-	257	348	258	234	205	183	105	85	233	198
15. " Pig, Melting	-	-	203	398	59	84	-	-	177	160	54	33
16. " Pig, Ballast	-	-	969	958	-	-	-	-	5	5	496	496
17. " Re-manufactured	-	-	2,011	2,201	980	1,118	448	468	879	1,028	693	453
18. " Rivets	-	-	339	291	125	47	51	58	20	22	4	9
19. " Old	-	-	686	1,395	211	613	14	4	104	143	41	84
20. Ironmongery	-	-	5,022	4,874	2,982	2,672	2,587	2,128	521	667	1,297	753
21. " "	-	-	-	-	-	-	-	-	-	-	-	-
22. Iron Wire Rope	-	-	688	719	64	56	332	310	99	116	87	95
23. Lead, Pig and Old	-	-	149	193	40	24	5	7	20	23	105	142
24. " Sheet, Pipe and Castings	-	-	589	572	352	470	105	184	42	29	213	198
25. Pumps, Fire and Watering Engines, and Gear	-	-	923	1,093	919	846	689	1,131	206	194	451	554
26. Tools	-	-	914	881	394	407	619	616	77	62	338	411
27. Metals, Miscellaneous	-	-	98	74	52	53	103	162	46	101	68	89
28. Armour Plates	-	-	-	-	-	-	-	-	-	-	-	-
29. Iron Beams and Curlings	-	-	-	-	-	-	-	-	-	-	-	-
30. " and Steel Masts and Yards	-	-	-	-	-	-	-	-	-	-	11	11
31. Articles of Machinery	-	-	1,688	1,770	23	21	535	87	224	227	53	168
Value of Metal Articles, &c. - - -	£.	£.	41,059	43,023	19,269	18,683	12,106	12,161	7,273	7,673	15,963	18,009
Sub-head C.—												
Coals and Patent Fuel - - -	1,551	1,260	7,660	8,328	11,082	4,614	1,723	1,109	7,319	3,999	4,803	5,078
Sub-head D.—Hemp, Canvas, &c.												
1. Bags, Seamen's, and Sacks, Coal	-	-	378	918	646	651	110	92	92	147	275	169
2. Canvas	-	-	2,201	1,776	975	572	1,099	1,002	23	90	397	451
3. Canvas, Sails, Awnings, Covers, and all Canvas Articles manufactured	-	-	3,718	3,268	2,724	2,148	333	295	136	106	3,370	3,527
4. Colours, Bunting and Worsted	-	-	637	774	884	882	358	300	141	142	509	404
5. Fearnought and Kersey	-	-	237	183	35	47	126	80	1	24	77	51
6. Hammocks	-	-	302	305	304	362	305	255	19	43	387	403
7. Italian Hemp	-	-	-	3	-	-	-	-	2	-	-	-
8. " Yarn	-	-	-	-	-	-	-	-	-	-	-	-
9. " Cordage, Lines, Twine, &c.	-	-	1,112	956	568	652	1,142	1,444	13	23	709	661
10. Petersburg, Hemp	-	-	-	-	-	-	-	-	1	-	2	2
11. " Yarn	-	-	-	-	-	-	-	-	-	-	-	-
12. " Cordage, Lines, Twine, &c.	-	-	3,615	4,017	2,829	2,796	2,381	2,500	584	614	3,086	3,394
13. Riga Hemp	-	-	-	28	37	22	-	-	-	-	7	7
14. " Yarn	-	-	-	-	-	-	-	-	-	-	-	-
15. " Cordage, Lines, Twine, &c.	-	-	1,450	1,740	1,324	1,309	1,811	1,259	137	197	880	700
16. Miscellaneous Hemp	-	-	-	-	-	-	-	-	-	-	-	-
17. " Yarn	-	-	-	-	-	-	-	-	-	-	-	-
18. " Cordage, Lines, Twine, &c.	-	-	631	1,346	396	1	908	213	363	177	282	520
19. Rigging, fitted, Rope	-	-	-	-	-	2	-	-	-	-	-	-
Value of Hemp, &c. - - -	£.	£.	14,281	15,314	10,722	9,444	8,573	7,440	1,512	1,563	9,981	10,289
Sub-head E.—Paint Materials, Oils, Pitch, Tar, Tallow, and other Miscellaneous Articles.												
1. Ash Goods	-	-	86	79	54	25	70	72	57	82	47	45
2. Boats	-	-	495	870	645	710	82	129	230	418	232	198
3. Brooms and Brushes	-	-	473	364	560	471	142	187	66	114	202	169
4. Candles	-	-	6	42	-	17	5	5	1	5	8	18
5. Carvers' Work	-	-	-	-	-	-	-	-	-	14	-	-
6. Furniture, &c., for Official Residences	-	-	-	-	-	-	-	-	-	-	-	-
7. Furniture, &c. for Officers' use on Board H.M.'s Ships	-	-	1,248	1,156	938	926	485	649	49	46	764	294
8. Glass and Glaziers' Wares	-	-	137	154	186	260	219	197	13	44	179	157
9. Hides and Leather	-	-	393	304	379	426	444	474	85	113	217	291
10. Masts and Mast Gear, manufactured	-	-	1,267	1,309	347	304	5	5	15	29	139	169
11. Oars, Ash, shaped	-	-	-	-	-	-	-	-	-	-	-	-
Value of Paints, &c., carried forward - - -	£.	£.	4,105	4,278	3,109	3,139	1,452	1,718	516	865	1,788	1,341

Abroad, from which Expense Accounts have been received in 1874-75—continued.

	HONG KONG.		JAMAICA.		MALTA.		SHANGHAI.		SIERRA LEONE.		SYDNEY.		TRINCOMALEE.		TOTAL FOREIGN YARDS.	
	21 March 1874.	20 March 1875.	21 March 1874.	20 March 1875.	21 March 1874.	20 March 1875.	21 March 1874.	20 March 1875.	21 March 1874.	20 March 1875.	21 March 1874.	20 March 1875.	21 March 1874.	20 March 1875.	21 March 1874.	20 March 1875.
	£.	£.	£.	£.	£.	£.	£.	£.	£.	£.	£.	£.	£.	£.	£.	£.
1	30,592	30,259	10,987	11,520	60,038	58,030	1,395	1,305	-	-	3,452	5,467	10,824	10,874	172,356	174,318
2	816	784	176	179	1,448	878	46	48	-	-	7	12	294	304	4,685	3,933
3	2,601	1,922	321	275	13,357	12,169	19	19	-	-	78	104	82	96	21,805	21,237
4	323	226	263	229	405	447	11	5	-	-	81	151	235	196	2,376	2,302
5	400	285	198	182	413	307	-	-	-	-	-	-	-	-	1,504	1,448
6	1,177	1,169	-	-	89	71	22	22	-	-	-	-	-	-	2,758	2,721
7	2,009	1,587	1,278	1,271	6,874	6,015	26	25	-	-	127	237	197	216	15,522	14,619
8	601	674	22	29	1,171	1,314	3	3	-	-	3	19	11	11	2,350	2,477
9	34	61	243	21	325	303	5	8	-	-	-	-	-	-	1,663	2,603
10	5,827	4,353	1,736	1,679	11,636	9,080	374	357	-	-	844	1,035	810	817	33,636	28,411
11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12	737	647	82	80	1,154	935	8	6	-	-	105	87	97	72	3,453	3,123
13	304	240	2	-	299	138	1	2	-	-	1	1	25	17	951	787
14	667	456	194	212	455	372	11	11	-	-	53	86	101	104	2,782	2,694
15	1,817	1,627	800	751	1,713	1,798	399	333	-	-	428	460	380	367	8,725	9,154
16	1,334	1,490	237	243	972	900	272	271	-	-	127	211	406	398	5,690	5,894
17	82	322	17	14	185	874	-	-	-	-	13	25	16	53	680	1,764
18	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
19	-	-	-	-	-	-	-	-	-	-	-	-	-	-	11	1
20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	13,127	13,484
21	6,149	6,668	795	795	3,653	3,747	7	-	-	-	-	-	-	-	-	-
22	55,470	52,770	17,351	17,438	104,187	97,378	2,599	2,415	-	-	5,319	7,895	13,478	13,538	294,074	290,984
23	13,354	5,268	4,745	6,606	16,840	9,591	5,957	8,874	-	3,150	2	6	13,122	11,307	88,158	69,154
24	721	800	129	145	444	474	11	10	363	235	121	184	196	2	3,486	3,848
25	2,987	3,464	738	1,010	1,850	1,127	114	110	-	-	853	969	1,137	757	12,374	11,344
26	7,204	6,558	1,193	1,164	1,314	585	46	47	-	-	1,003	1,199	1,189	987	22,230	19,844
27	1,079	1,084	333	295	1,005	733	37	28	-	-	478	450	429	466	5,890	5,544
28	279	188	61	58	288	74	6	6	-	-	111	136	29	57	1,250	944
29	721	971	154	27	839	462	2	2	-	-	293	124	412	220	3,738	3,144
30	5	-	-	-	1	1	-	-	-	-	-	-	-	-	8	-
31	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
32	1,417	1,414	994	930	1,495	2,093	2	1	-	-	275	380	311	283	8,038	8,844
33	-	-	-	-	-	-	-	-	-	-	-	-	2	2	5	-
34	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
35	4,756	4,109	1,687	2,288	8,723	7,554	91	96	-	-	1,700	2,111	2,615	2,509	32,067	31,944
36	-	-	-	-	88	23	-	-	-	-	-	-	-	-	132	-
37	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
38	1,998	1,824	1,035	910	2,592	2,038	106	91	-	-	772	822	438	653	12,543	11,544
39	-	-	-	-	-	-	-	-	-	-	3	-	-	-	3	-
40	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
41	2,583	1,995	240	211	2,063	1,010	211	291	-	-	364	348	286	425	8,327	6,544
42	-	-	-	-	-	-	-	-	-	-	-	-	12	12	12	-
43	23,750	22,407	6,564	7,038	20,702	16,174	626	632	363	235	5,973	6,723	7,056	6,373	110,103	103,644
44	68	104	30	21	56	56	2	2	-	-	86	77	90	78	646	646
45	698	533	259	385	838	632	7	-	-	-	128	51	552	500	4,166	4,444
46	541	459	348	306	471	414	25	28	-	-	198	328	140	150	3,166	2,944
47	64	15	10	13	18	22	-	-	-	-	2	1	4	-	118	118
48	-	-	-	-	-	3	-	-	-	-	-	-	-	-	-	-
49	1,124	809	304	759	1,341	1,318	131	147	-	-	301	244	301	346	6,986	6,986
50	254	232	91	95	210	159	27	22	-	-	60	41	69	67	1,445	1,445
51	624	616	414	380	774	855	25	19	-	-	188	250	111	134	3,654	3,654
52	582	50	795	795	202	257	44	44	-	-	2	2	34	34	3,432	2,432
53	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
54	3,955	2,818	2,251	2,754	3,910	3,716	261	262	-	-	965	994	1,301	1,309	23,613	23,613

STATEMENT showing the VALUE of the Stock of Timber and Stores at those Dockyards, &c.

DESCRIPTION.	ANTIGUA.		BERMUDA.		CAPE OF GOOD HOPE.		ESQUIMALT.		GIBRALTAR.		HALIFAX.	
	21 March 1874.	20 March 1875.	21 March 1874.	20 March 1875.	21 March 1874.	20 March 1875.	21 March 1874.	20 March 1875.	21 March 1874.	20 March 1875.	21 March 1874.	20 March 1875.
	£.	£.	£.	£.	£.	£.	£.	£.	£.	£.	£.	£.
II.—Stores—continued.												
Value of Paint, &c., brought forward }	-	-	4,105	4,278	3,109	3,139	1,452	1,718	516	865	1,788	1,341
12. Oars, Ash, Manufactured	-	-	247	185	282	211	185	233	22	37	99	169
13. Oil, Linseed, Gallipoli, &c.	-	-	1,470	1,324	1,720	856	464	195	96	310	386	370
14. Paint, &c., Mineral Black, Turpentine, Rosin, and other Materials (ingredients) -	-	-	355	333	302	57	59	81	37	55	123	103
15. " Red and White Lead (ingredients) -	-	-	72	103	91	37	5	25	1	12	22	19
16. " Mixed -	-	-	666	626	610	536	233	217	13	105	390	362
17. Pitch and Tar -	-	-	183	179	74	48	136	120	16	14	58	32
18. Soap, Soft -	-	-	86	48	24	23	22	3	-	13	39	33
19. Stone, Bricks, Lime, Cement, &c. -	-	-	180	141	150	166	66	38	118	44	28	32
20. Tallow -	-	-	462	346	327	379	245	174	99	105	286	270
21. Stores, Miscellaneous -	-	-	3,429	3,425	2,958	3,329	2,395	2,371	696	689	2,161	2,242
Value of Paints, &c. - £.	-	-	11,255	10,988	9,647	8,781	5,262	5,175	1,614	2,249	5,380	4,973
Miscellaneous (Stores not belonging to Vote 10, Sect. 1.)	-	-	-	22	2	-	-	-	-	-	-	-

ABSTRACT

Sub-head Vote 10, Sec. 1).	DESCRIPTION.	Page.	ANTIGUA.		BERMUDA.		CAPE OF GOOD HOPE.		ESQUIMALT.		GIBRALTAR.		HALIFAX.	
			21 March 1874.	20 March 1875.	21 March 1874.	20 March 1875.	21 March 1874.	20 March 1875.	21 March 1874.	20 March 1875.	21 March 1874.	20 March 1875.	21 March 1874.	20 March 1875.
			£.	£.	£.	£.	£.	£.	£.	£.	£.	£.	£.	£.
A.	TIMBER, &c. - -	686	-	-	5,793	5,316	2,602	2,458	1,337	1,718	141	554	2,562	2,582
B.	METAL, &c. - -	688	-	-	41,059	43,023	19,269	18,683	12,106	12,161	7,273	7,673	15,963	18,009
C.	COALS, &c. - -	688	1,551	1,260	7,660	8,328	11,082	4,614	1,723	1,109	7,319	3,999	4,803	5,078
D.	HEMP, &c. - -	688	-	-	14,281	15,314	10,722	9,444	8,573	7,440	1,512	1,563	9,981	10,289
E.	PAINT, &c. - -	690	-	-	11,255	10,988	9,647	8,781	5,262	5,175	1,614	2,249	5,380	4,973
	TOTAL - - £.		1,551	1,260	80,048	82,969	53,322	43,980	29,001	27,603	17,859	16,038	38,689	40,931
	Miscellaneous (Stores not belonging to Vote 10, Sect. 1.)		-	-	-	22	2	-	-	-	-	-	-	-
	GRAND TOTAL - £.		1,551	1,260	80,048	82,991	53,324	43,980	29,001	27,603	17,859	16,038	38,689	40,931

Abroad, from which Expense Accounts have been received in 1874-75—continued.

HONG KONG.		JAMAICA.		MALTA.		SHANGHAI.		SIERRA LEONE.		SYDNEY.		TRINCOMALEE.		TOTAL FOREIGN YARDS.	
21 March 1874.	20 March 1875.	21 March 1874.	20 March 1875.	21 March 1874.	20 March 1875.	21 March 1874.	20 March 1875.	21 March 1874.	20 March 1875.	21 March 1874.	20 March 1875.	21 March 1874.	20 March 1875.	21 March 1874.	20 March 1875.
£.	£.	£.	£.	£.	£.	£.	£.	£.	£.	£.	£.	£.	£.	£.	£.
3,955	2,818	2,251	2,754	3,910	3,716	261	262	-	-	965	994	1,301	1,309	23,613	23,194
226	172	116	124	223	201	7	30	-	-	55	105	79	59	1,541	1,526
562	479	551	836	642	1,032	65	43	-	-	616	712	266	80	6,838	6,237
243	115	134	135	173	174	7	4	-	-	168	66	32	66	1,633	1,189
112	29	10	12	189	120	10	8	-	-	20	20	12	29	544	414
924	739	356	349	1,066	1,288	3	-	-	-	203	203	194	220	4,658	4,645
332	212	64	39	134	80	12	13	-	-	55	93	50	80	1,114	910
98	74	10	2	77	46	2	2	-	-	43	54	63	32	464	330
88	65	46	16	150	84	16	16	-	-	12	18	146	139	1,000	759
572	410	34	80	203	145	15	8	-	-	60	65	180	326	2,483	2,308
5,553	5,876	2,133	1,849	7,079	6,010	348	221	-	-	1,097	1,435	1,632	1,439	29,481	28,886
12,665	10,989	5,705	6,196	13,846	12,896	746	607	-	-	3,294	3,765	3,955	3,779	73,369	70,398
-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	22

OF TOTALS.

HONG KONG.		JAMAICA.		MALTA.		SHANGHAI.		SIERRA LEONE.		SYDNEY.		TRINCOMALEE.		TOTAL FOREIGN YARDS.	
21 March 1874.	20 March 1875.	21 March 1874.	20 March 1875.	21 March 1874.	20 March 1875.	21 March 1874.	20 March 1875.	21 March 1874.	20 March 1875.	21 March 1874.	20 March 1875.	21 March 1874.	20 March 1875.	21 March 1874.	20 March 1875.
£.	£.	£.	£.	£.	£.	£.	£.	£.	£.	£.	£.	£.	£.	£.	£.
1,415	861	2,191	2,543	9,550	8,337	315	263	-	-	-	183	3,280	3,055	29,186	27,870
55,470	52,770	17,351	17,438	104,187	97,378	2,599	2,415	-	-	5,319	7,895	13,478	13,538	294,074	290,983
13,354	5,268	4,745	6,606	16,840	9,591	5,957	8,874	-	3,150	2	6	13,122	11,307	88,158	69,190
23,750	22,407	6,564	7,038	20,702	16,174	626	682	363	235	5,973	6,723	7,056	6,373	110,103	103,682
12,665	10,989	5,705	6,196	13,846	12,896	746	607	-	-	3,294	3,765	3,955	3,779	73,369	70,398
106,654	92,295	*36,556	39,821	165,125	144,376	10,243	12,841	363	3,385	14,588	18,572	40,891	38,052	594,890	562,123
-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	22
106,654	92,295	36,556	39,821	165,125	144,376	10,243	12,841	363	3,385	14,588	18,572	40,891	38,052	594,892	562,145

D E T A I L S

Of the AMOUNTS charged to VOTE 10, SECTION 2, SUB-HEAD D., "EXPERIMENTAL SERVICES" in the Accounts of the respective DOCKYARDS, &c.

DETAILS of the AMOUNTS charged to VOTE 10, SECTION 2, SUB-HEAD D., "EXPERIMENTAL SERVICES," in the Accounts of the respective DOCKYARDS, &c.

	M A T E R I A L S.			Labour.	TOTAL.	Amounts charged in the respective Dockyards, &c.
	Issues.	Returns.	Net.			
EXPENSES INCURRED IN HER MAJESTY'S DOCKYARDS, viz.:—						
CHATHAM:	£. s. d.	£. s. d.	£. s. d.	£. s. d.	£. s. d.	£.
Fitting, lowering, and disengaging gear to boat for trial	- - -	- - -	- - -	7 - -	7 - -	
Testing armour bolts made by Messrs. Cammell & Co.	- - -	- - -	- - -	9 - -	9 - -	
Trial of old brass boiler tubes	35 - -	- - -	35 - -	12 - -	47 - -	
Preparing target to represent the side of a vessel of the "Shannon" class	291 - -	14 - -	277 - -	142 - -	419 - -	
Hungarian hemp	3 - -	- - -	3 - -	1 - -	4 - -	
Testing Crampton's, and other iron plates	95 - -	12 - -	83 - -	55 - -	138 - -	
Testing galvanized iron	2 - -	- - -	2 - -	- - -	2 - -	
Testing Belgian iron	- - -	- - -	- - -	26 - -	26 - -	
Testing tar supplied by Mr. Farrell	1 - -	- - -	1 - -	1 - -	2 - -	
Experiments, "Oberon"	988 - -	118 - -	870 - -	620 - -	1,490 - -	
£.	1,415 - -	144 - -	1,271 - -	873 - -	2,144 - -	2,144
SHEERNESS:						
Testing tubes for Boiler Committee	139 - -	- - -	139 - -	91 - -	230 - -	
Placing metal sheathing on bottom of H. M. S. "Anson"	1 - -	- - -	1 - -	1 - -	2 - -	
Trial of Briscoe's boat-lowering apparatus	- - -	6 - -	6 - -	- - -	6 - -	
£.	140 - -	6 - -	134 - -	92 - -	226 - -	226
PORTSMOUTH:						
Torpedo experiments in connection with "Oberon"	671 - -	120 - -	551 - -	749 - -	1,300 - -	
Torpedo experiments in connection with "Laurel"	85 - -	- - -	85 - -	29 - -	114 - -	
Torpedo experiments in connection with "Lyra"	2 - -	- - -	2 - -	2 - -	4 - -	
Torpedo experiments in connection with "Rinaldo"	3 - -	- - -	3 - -	25 - -	28 - -	
Experimental plates on "Camel"	4 - -	- - -	4 - -	8 - -	12 - -	
Testing old tubes	5 - -	- - -	5 - -	- - -	5 - -	
Fitting Froude's automatic apparatus on board "Devastation"	66 - -	2 - -	64 - -	226 - -	290 - -	
Trial of varnishes	- - -	- - -	- - -	2 - -	2 - -	
Experiments with chain cable compressors, Brown and Lennox	- - -	- - -	- - -	35 - -	35 - -	
Experiments with chain cable compressors, Harfield & Co.	- - -	- - -	- - -	45 - -	45 - -	
Fitting fan to coal testing boiler	29 - -	- - -	29 - -	1 - -	30 - -	
New phosphor brasses to "Jumna"	114 - -	14 - -	100 - -	41 - -	141 - -	

AMOUNT of Charges to Vote 10, Section 2, Sub-head D., "Experimental Services," &c.—continued.

	M A T E R I A L S.			Labour.	TOTAL.	Amounts charged in the respective Dockyards, &c.
	Issues.	Returns.	Net.			
EXPENSES INCURRED IN HER MAJESTY'S DOCKYARDS—continued.						
PORTSMOUTH—continued.	£. s. d.	£. s. d.	£. s. d.	£. s. d.	£. s. d.	£.
Experiments to obtain the best composition for gun metal - - - - -	} 1 - -	- - -	1 - -	23 - -	24 - -	
Trial of coal on board "Grinder" - - - - -		37 - -	- - -	37 - -	26 - -	
Testing Commodore Commerell's rudder - - - - -	- - -	- - -	- - -	5 - -	5 - -	
Testing buoyancy of steam cutters - - - - -	2 - -	- - -	2 - -	15 - -	17 - -	
Attaching coal and iron together - - - - -	2 - -	- - -	2 - -	- - -	2 - -	
Trial of lamps - - - - -	2 - -	- - -	2 - -	- - -	2 - -	
Trial of Prideaux's furnace doors on board "Grinder" - - - - -	} 25 - -	- - -	25 - -	21 - -	46 - -	
Fitting fire bars on Thompson's plan - - - - -		40 - -	- - -	40 - -	3 - -	
Making wings to Martin's anchor - - - - -	3 - -	- - -	3 - -	4 - -	7 - -	
Testing coal - - - - -	30 - -	- - -	30 - -	- - -	30 - -	
Experiments with Electro-coppered Boiler Tubes - - - - -	- - -	- - -	- - -	2 - -	2 - -	
Experiments with Gatling Guns for "Monarch" - - - - -	- - -	- - -	- - -	13 - -	13 - -	
£.	1,121 - -	136 - -	985 - -	1,275 - -	2,260 - -	2,260
DEVONPORT:						
Rendering timber uninflammable on Dr. Jones' plan - - - - -	} £.	24 - -	8 - -	16 - -	16 - -	16
GIBRALTAR:						
Experimenting on Patent Fuel - - - - -	£.	- - -	- - -	- - -	6 - -	6
EXPENSES INCURRED AT OTHER THAN HER MAJESTY'S DOCKYARDS:						
Amount paid to the Manchester Water Meter Company for hot water meter for steam boiler - - - - -					20 - -	
Amount paid to Messrs. H. Wilde & Co. for expenses connected with their electric light - - - - -					308 - -	
Amount paid to the Thames Iron Works Shipbuilding Company for rolling iron plates from Bloom's - - - - -					63 - -	
Amount paid to Mr. W. Froude, for services in connection with experiments - - - - -					634 - -	
Amount paid to Messrs. W. G. Armstrong & Co., for hydraulic machinery for fore turret of "Thunderer" - - - - -					7,746 - -	
Experiments in connection with night life buoys - - - - -					37 - -	
£.					8,808 - -	8,808
					£.	13,460

INCIDENTAL, ESTABLISHMENT, AND
NATIONAL CHARGES AT THE HOME AND FOREIGN YARDS,
SHOWN IN DETAIL.

EXPERIMENT

DEPTFC	DEPTFC	
	Indirect Expenses due to Ships and Services.	Indirect Expenses to Nation Charge
DETAILED HEAD OF CHARGE.	£.	£.
Harbour and Dockyard Gear: viz., cables, pendants, chains, swivels, bridles, and buoys	-	4
Moorings at other ports	-	-
Opening and shutting dock gates and penstocks, floating and sinking caissons, and pumping docks; <i>except</i> when it has been possible to charge the expense direct to the ship on account of which it is incurred	-	-
Transporting hawsers, launching rope gear, rope for guys and stages, blocks, planks, bilgeways, cleats, timber, &c., for launching and docking ships, shores, spauls, stage deals, launching booths, floating stages of all kinds, wedges, harpins, and ribbons, blocks under new ships, brows, temporary ladders for, and housing over, ships, &c., screws for securing plank, &c.; <i>except</i> when it has been possible to charge the expense direct to the ship on account of which it is incurred	-	-
Replacement and maintenance of yard boats	-	-
Crabs, winches, carts, waggons, timber carriages, sledges, barrows, ladders, &c.	35	-
Materials and labour (including pay of draughtsmen and modellers) for mould lofts; <i>except</i> when it has been possible to charge the expense direct to the ship on account of which it is incurred	-	-
Loan tool store, including repairs and replacements of tools for general service of the yard, but not for conversion shops	-	-
Fire-engines, buckets, hoses, and other gear connected therewith: share of	4	-
Collecting old timber, chips, and stores for sale, and cleaning and clearing the yard and docks	45	-
Deterioration or improvement of the value of timber	-	-
Deterioration or improvement of the value of stores	-	-
Coals, candles, furniture, and other stores for officers' offices	58	-
Preliminary expenses in connection with the sale of old timber, &c.	-	-
Dockyard chapel, chemical lecture room and laboratory, school for apprentices, police station and military guard room (labour and petty stores)	-	-
Experimental services, chargeable to Vote 10, Sec. II., of Navy Estimates	-	-
Wages of all single stationed men and boats' crews, to include draughtsmen (except those in the mould loft), writers (except writers at Ropery, and manufacturing Writers at Shops, whose pay should be charged thereto), acting officers on day pay, signalmen, messengers, postmen, labourers, and boys employed on general duties, not chargeable to any other detailed head of service; also petty stores used in connection with services on which these men are employed, but not including any expenses which could be charged to any specific ship or service: share of	330	330
Allowances for apprentices' instructors	-	-
Wages of apprentices whilst at school, and board wages to apprentices when sick	-	1: 6
Allowances for scholarships and wages, allowances, &c., to students at Greenwich	-	-
Hurt money, including half-pay of yard craft men when sick	8	-
Holidays	-	-
Preliminary arrangements for sale of surplus timber, &c.	-	-
Preliminary arrangements for sale of surplus stores, &c.	-	-
Other Miscellaneous Charges	-	-

ITAL EXPENSE ACCOUNT, 1874-75. - - - - -

INCIDENTAL, ESTABLISHMENT, AND NATIONAL CHARGES

RD.		CHATHAM.			SHEERNESS.			PORTSMOUTH.							
pt due nal s.	TOTAL.	Indirect Expenses due to Ships and Services.	Indirect Expenses due to National Charges.	TOTAL.	Indirect Expenses due to Ships and Services.	Indirect Expenses due to National Charges.	TOTAL.	Indirect Expenses due to Ships and Services.	Indirect Expenses due to National Charges.	TOTAL.					
	£.	£.	£.	£.	£.	£.	£.	£.	£.	£.					
	4	-	-	1,120	1,120	-	-	2,127	2,127	-	-	5,922	5,922	1	
-	-	-	-	-	-	-	-	343	343	-	-	542	542	2	
-	-	-	1,646	-	-	1,646	834	-	-	834	1,401	-	-	1,401	3
-	-	-	12,628	-	-	12,628	2,596	-	-	2,596	12,300	-	-	12,300	4
-	-	-	260	-	-	260	207	-	-	207	659	-	-	659	5
-	35	1,876	-	-	1,876	363	-	-	363	1,294	-	-	1,294	6	
-	-	-	385	-	-	385	385	-	-	385	529	-	-	529	7
-	-	-	5,441	-	-	5,441	1,675	-	-	1,675	6,490	-	-	6,490	8
-	9	98	98	196	55	57	112	337	337	674	9				
-	45	1,721	-	-	1,721	595	-	-	595	808	-	-	808	10	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	11	
-	58	756	-	-	756	540	-	-	540	2,111	-	-	2,111	12	
-	-	451	-	-	451	-	-	-	-	-	-	-	-	13	
-	9	-	-	553	553	-	-	199	199	-	-	657	657	14	
-	-	-	-	2,144	2,144	-	-	226	226	-	-	2,260	2,260	15	
-	660	3,609	3,609	7,218	3,073	3,075	6,148	5,560	5,560	11,120	16				
-	-	-	223	-	-	223	482	-	-	482	728	-	-	728	17
-	-	-	218	-	-	218	263	-	-	263	472	-	-	472	18
-	-	-	-	182	182	-	-	15	15	-	-	269	269	19	
-	8	748	-	-	748	439	-	-	439	1,790	-	-	1,790	20	
-	69	-	-	3,206	3,206	-	-	1,512	1,512	-	-	5,304	5,304	21	
-	-	-	-	33	33	-	-	216	216	-	-	231	231	22	
-	-	-	-	50	50	-	-	-	-	-	-	-	-	23	
-	1	19,957	2,090	22,047	6,903	1,251	8,154	21,745	3,502	25,247	24				

EXPERIMENTAL EXPENSE ACCOUNT, 1874-75.

AT THE HOME AND FOREIGN YARDS, SHOWN IN DETAIL.

	DEVONPORT.			PEMBROKE.			HAULBOWLINE.		
	Indirect Expenses due to Ships and Services.	Indirect Expenses due to National Charges.	TOTAL.	Indirect Expenses due to Ships and Services.	Indirect Expenses due to National Charges.	TOTAL.	Indirect Expenses due to Ships and Services.	Indirect Expenses due to National Charges.	TOTAL.
	£.	£.	£.	£.	£.	£.	£.	£.	£.
1	-	5,609	5,609	-	321	321	-	380	380
2	-	195	195	-	-	-	-	-	-
3	1,727	-	1,727	136	-	136	-	-	-
4	8,341	-	8,341	3,039	-	3,039	49	-	49
5	530	-	530	44	-	44	99	-	99
6	723	-	723	202	-	202	-	-	-
7	631	-	631	86	-	86	-	-	-
8	6,235	-	6,235	1,785	-	1,785	33	-	33
9	229	230	459	71	71	142	-	-	-
10	2,416	-	2,416	433	-	433	51	-	51
11	-	-	-	-	-	-	-	-	-
12	986	-	986	201	-	201	30	-	30
13	-	-	-	-	-	-	-	-	-
14	-	241	241	-	185	185	-	2	2
15	-	16	16	-	-	-	-	-	-
16	5,671	5,671	11,342	1,380	1,381	2,761	35	35	70
17	543	-	543	325	-	325	-	-	-
18	426	-	426	189	-	189	-	-	-
19	-	138	138	-	153	153	-	-	-
20	1,407	-	1,407	286	-	286	-	-	-
21	-	4,651	4,651	-	1,285	1,285	-	10	10
22	-	111	111	-	70	70	-	-	-
23	-	54	54	-	-	-	-	-	-
24	16,915	1,520	18,435	6,644	517	7,161	16	15	31

STABLISHMENT,

PORTSMOUTH.

FOREIGN YARDS.		
Indirect Expenses due to Ships and Services.	Indirect Expenses due to National Charges.	TOTAL.
£.	£.	£.
-	5,686	5,686
-	-	-
32	-	32
1,586	-	1,586
2,597	-	2,597
999	-	999
43	-	43
1,200	-	1,200
242	242	484
2,334	-	2,334
-	-	-
799	-	799
-	-	-
-	1,064	1,064
-	6	6
2,713	2,712	5,425
134	-	134
1	-	1
-	-	-
172	-	172
-	870	870
-	-	-
-	-	-
3,732	764	4,496

Indirect Expenses due to National Charges.	TOTAL.	
£.	£.	
-	13,781	1
-	10,937	2
10,923	25,183	3
183	183	4
910	1,835	5
-	2,317	6
-	2,141	7
-	1,141	8
4,069	8,137	9
-	8,319	10
-	-	11
16,526	16,526	12
1,175	1,175	13
-	-	14
-	658	15
-	135	16
2,811	2,811	17

DETAILED HEAD OF CHARGE.	DEPT. OF THE	
	Indirect Expenses due to Ships and Services.	Indirect Expenses due to Naval Charges.
Docks, slips, and basins, including housings over docks and slips, sheds, workshops, caissons, timber racks, temporary roofs, and all other buildings; and waterworks for supplying the yard, and for extinguishing fire; repairs, replacements, and maintenance of - - - - -	£.	£.
Machinery for the general service of the yard and factory; cranes, capstans, steam hoists, &c.; repairs, replacements, and maintenance of - - - - -	-	-
Salaries of Superintendent, Retinue, and Clerks: share of - - - - -	-	-
„ Master Attendant, Assistant to Master Attendant, Harbour Master, Master Sailmaker, Master Rigger, Master Ropemaker, Foreman of Ropemakers, Foreman of Line Spinners, Layer in the Rope Yard, and Clerks: share of - - - - -	-	-
„ Master Shipwright, Assistant Master Shipwright, Timber Inspector, Boatswain, Master Smith, Foreman, Converter of Timber, Inspectors, and Clerks: share of - - - - -	-	-
„ Chief Engineer and Inspector of Machinery, Assistant Engineer, Conductor of Metal Mills, Assistant Inspector of Steam Machinery, Foremen, Engineer and Millwright, and Clerks - - - - -	-	-
„ Storekeeper, Foreman of Storehouses, and Clerks: share of - - - - -	696	696
„ Accountant, Inspector of Stores, and Clerks: share of - - - - -	-	-
„ Cashier, Timekeeper, and Clerks: share of - - - - -	-	-
„ Superintending Civil Engineer, Clerk of Works, Clerk and Accountant, Clerk and Draughtsman, and Foreman of Works - - - - -	-	-
„ Surgeons and Assistant Surgeons - - - - -	-	-
„ Chaplain, Schoolmaster, &c. - - - - -	-	-
Salary of Assistant Engineer in Charge of Portland Coaling, &c., Dépôt - - - - -	-	-
Addition of 7 per cent. to the foregoing Salaries, on account of the prospect of Pensions on retirement to those Dockyard Officers who are entitled to the same - - - - -	48	48
Rents, Rates, Taxes, and Water - - - - -	-	-
Lighting with Gas - - - - -	-	1,2
Contingencies - - - - -	86	-
Wages, Police Force: share of - - - - -	135	135
Addition of 7 per cent. to the Wages of Established Workmen, on account of the prospect of Pensions on their Retirement - - - - -	353	-
Dredging in connection with Dockyard - - - - -	-	-
Dredging Harbour <i>not</i> in connection with Dockyard - - - - -	-	-
Additions and Repairs to Portland Coaling and Watering Dépôt - - - - -	-	11:6
Repairs to Buildings, &c., at Ascension - - - - -	-	-
Contingencies (Works and Repairs) - - - - -	119	-
Contingencies (Machinery) - - - - -	-	C
Temporary Superintendence, &c. of Engineering and Architectural Works and Repairs - - - - -	-	-
TOTAL Incidental and Establishment Charges distributable <i>pro ratâ</i> on Wages - - - - -	-	1,0

EXPERIMENTAL EXPENSE ACCOUNT, 1874-75.—INCIDENTAL, ESTABLISHMENT,

JORD.		CHATHAM.			SHEERNESS.			PORTSMOUTH.			
ct s due onal es.	TOTAL.	Indirect Expenses due to Ships. and Services.	Indirect Expenses due to National Charges.	TOTAL.	Indirect Expenses due to Ships and Services.	Indirect Expenses due to National Charges.	TOTAL.	Indirect Expenses due to Ships and Services.	Indirect Expenses due to National Charges.	TOTAL.	
	£.	£.	£.	£.	£.	£.	£.	£.	£.	£.	
0	-	7,984	-	7,984	6,278	-	6,278	13,781	-	13,781	1
st c n s	-	10,058	-	10,058	3,143	-	3,143	10,937	-	10,937	2
	1,392	10,374	8,587	18,961	8,963	6,801	15,764	14,260	10,923	25,183	3
	-	-	-	-	-	-	-	-	183	183	4
	96	726	601	1,327	554	418	972	925	910	1,835	5
	-	194	-	194	173	-	173	2,317	-	2,317	6
	-	1,000	-	1,000	919	-	919	2,141	-	2,141	7
	86	764	-	764	602	-	602	1,141	-	1,141	8
	270	3,770	3,771	7,541	1,252	1,252	2,504	4,068	4,069	8,137	9
	353	6,593	-	6,593	3,970	-	3,970	8,319	-	8,319	10
	-	300	-	300	602	-	602	-	-	-	11
	-	-	-	-	-	-	-	-	16,526	16,526	12
	-	-	-	-	-	-	-	-	1,175	1,175	13
	-	-	-	-	-	-	-	-	-	-	14
	119	408	-	408	729	-	729	658	-	658	15
	-	2,056	-	2,056	-	-	-	135	-	135	16
	-	-	2,514	2,514	-	290	290	-	2,811	2,811	17
	- £.	94,244			45,595			114,906			

AND NATIONAL CHARGES AT THE HOME AND FOREIGN YARDS—*continued.*

	DEVONPORT.			PEMBROKE.			HAULBOWLINE.		
	Indirect Expenses due to Ships and Services.	Indirect Expenses due to National Charges.	TOTAL.	Indirect Expenses due to Ships and Services.	Indirect Expenses due to National Charges.	TOTAL.	Indirect Expenses due to Ships and Services.	Indirect Expenses due to National Charges.	TOTAL.
	£.	£.	£.	£.	£.	£.	£.	£.	£.
1	7,976	- -	7,976	4,775	- -	4,775	1,234	- -	1,234
2	11,086	- -	11,086	4,156	- -	4,156	- -	- -	- -
3	15,567	12,391	27,958	5,160	4,456	9,616	- -	- -	- -
4	—	—	—	—	—	—	—	—	—
5	948	789	1,737	343	288	631	- -	- -	- -
6	809	- -	809	66	- -	66	- -	- -	- -
7	1,563	- -	1,563	845	- -	845	- -	- -	- -
8	1,000	- -	1,000	671	- -	671	- -	- -	- -
9	3,741	3,741	7,482	1,125	1,125	2,250	39	39	78
10	8,492	- -	8,492	3,629	- -	3,629	- -	- -	- -
11	- -	- -	- -	43	- -	43	- -	- -	- -
12	- -	3,550	3,550	- -	- -	- -	- -	- -	- -
13	—	—	—	—	—	—	—	—	—
14	—	—	—	—	—	—	—	—	—
15	1,145	- -	1,145	- -	- -	- -	11	- -	11
16	45	- -	45	- -	- -	- -	- -	- -	- -
17	- -	776	776	- -	346	346	- -	1,338	1,338
	99,152			35,634			1,597		

FOREIGN YARDS.

Indirect Expenses due to Ships and Services.	Indirect Expenses due to National Charges.	TOTAL.
£.	£.	£.
21,800	- -	21,800
2,422	- -	2,422
19,231	17,402	36,633
—	—	—
799	811	1,610
665	- -	665
409	- -	409
984	- -	984
4,754	4,754	9,508
943	- -	943
1,751	- -	1,751
- -	2,778	2,778
—	—	—
—	—	—
1,122	- -	1,122
319	- -	319
- -	1,556	1,556
71,783		

DETAILED HEAD OF CHARGE.	DEPT	
	Indirect Expenses due to Ships and Services.	Indi: Expens to Nat Char.
	£.	
Landing, surveying, receiving, depositing, and issuing timber - - -	252	-
Landing, surveying, receiving, depositing, and issuing stores - - -	1,762	-
Continuous survey and survey valuation of stock, &c. - - - - -	41	-
Occasional survey of stores - - - - -	-	-
Shipping off timber and stores to other yards at home and abroad (including the cost of packing cases and casks <i>only</i> when new, and <i>only</i> at the yards shipping the stores) - - - - -	4,045	-
Preservation of timber, boats, and other stores - - - - -	312	-
Wages of crews of sailing lighters, sheer hulks, and small craft, when not employed on services provided for under other specific heads in these accounts - - - - -	-	-
Wages of crews of steam tugs and mooring lighters when not employed on services provided for under other specific heads in these accounts - - -	-	-
Other Miscellaneous charges - - - - -	46	-
Freight and sundry expenses connected with naval stores - - - - -	866	-
Expenses incurred at other yards, &c., shipping stores to - - - - -	819	-
Cost of manufactured produce in excess of Rate Book value - - - - -	211	-
Cost of manufactured produce less than Rate Book value - - - - -	18	-
Expense incurred at each yard shipping off stores to other yards - - -	4,045	-
Total Incidental Charges distributable on Materials <i>pro ratâ</i> - - -	6,208	-
Ditto - ditto - on Wages brought down - - - - -		
Ditto - ditto - on the Tonnage of ships and vessels in the Reserves (petty stores for steam and sailing ships and vessels in the Reserves) - - - - -		
TOTAL Incidental Charges - - - £.	6,208	1,2
Total Labour charged direct to ships upon which the per-centage is cast -	-	-
Total Labour appearing under other than Dockyard Services upon which the per-centage is cast - - - - -	-	-
Total Materials issued to and returned from ships upon which the per-centage is cast, viz. : - - - - -	{ Issues - - - Returns - - -	1
Total Materials issued to and returned from other than Dockyard Services upon which the per-centage is cast, viz. : - - - - -	{ Issues - - - Returns - - -	4 1
Total Materials issued to and returned from other Yards, &c., Home and Abroad - - - - -	{ Issues - - - Returns - - -	11 6
For Net Charge - - - - -	-	£. 3,0

DEPREC

EXPERIMENTAL EXPENSE ACCOUNT, 1874-75.—INCIDENTAL, ESTABLISHMENT,

ORD.		CHATHAM.			SHEERNESS.			PORTSMOUTH.		
Direct Expenses due to National Charges.	TOTAL.	Indirect Expenses due to Ships and Services.	Indirect Expenses due to National Charges.	TOTAL.	Indirect Expenses due to Ships and Services.	Indirect Expenses due to National Charges.	TOTAL.	Indirect Expenses due to Ships and Services.	Indirect Expenses due to National Charges.	TOTAL.
£.	£.	£.	£.	£.	£.	£.	£.	£.	£.	£.
-	252	4,015	-	4,015	1,982	-	1,982	2,759	-	2,759
-	1,762	12,352	-	12,352	5,326	-	5,326	13,741	-	13,741
-	41	309	-	309	59	-	59	236	-	236
-	-	-	-	-	78	-	78	77	-	77
-	4,045	1,332	-	1,332	477	-	477	1,453	-	1,453
-	312	636	-	636	1,324	-	1,324	2,268	-	2,268
-	-	726	-	726	357	-	357	566	-	566
-	-	-	1,556	1,556	-	3,761	3,761	-	3,991	3,991
-	46	309	-	309	13	-	13	99	-	99
-	866	373	-	373	186	-	186	142	-	142
-	819	1,832	-	1,832	825	-	825	1,315	-	1,315
-	211	1,580	-	1,580	408	-	408	1,553	-	1,553
-	18	12,126	-	12,126	1,256	-	1,256	4,812	-	4,812
-	4,045	1,332	-	1,332	477	-	477	1,453	-	1,453
-	-	10,006	-	-	9,302	-	-	17,944	-	-
-	-	94,244	-	-	45,595	-	-	114,906	-	-
-	-	291	-	291	58	-	58	347	-	347
187	7,505	104,541	27,874	132,415	54,955	21,543	76,498	133,197	65,172	198,369
-	£. 14	-	-	£. 129,637	-	-	£. 70,362	-	-	£. 226,688
-	8	-	-	12,134	-	-	6,413	-	-	40,958
£. 1,176 } 421	1,597	{ Issues - - 254,101 } { Returns - - 68,971 }	323,072	{ Issues - - 120,600 } { Returns - - 38,224 }	158,824	{ Issues - - 352,399 } { Returns - - 85,184 }	437,583			
1,765 } ,038	5,803	{ Issues - - 17,634 } { Returns - - 3,336 }	20,970	{ Issues - - 9,138 } { Returns - - 4,710 }	13,848	{ Issues - - 47,475 } { Returns - - 14,870 }	62,345			
3,967 } 1,163	175,130	-	-	-	-	-	-			

IATION AND APPRECIATION ACCOUNT.

170	-	-	-	£. 36,722	-	-	-	£. 990	-	-	-	£. 24,677	-	-	-	24
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AND NATIONAL CHARGES AT THE HOME AND FOREIGN YARDS—continued.

DEVONPORT.			PEMBROKE.			HAULBOWLINE.			Indir Expense to Sh and Ser
Indirect Expenses due to Ships and Services.	Indirect Expenses due to National Charges.	TOTAL.	Indirect Expenses due to Ships and Services.	Indirect Expenses due to National Charges.	TOTAL.	Indirect Expenses due to Ships and Services.	Indirect Expenses due to National Charges.	TOTAL.	
£.	£.	£.	£.	£.	£.	£.	£.	£.	£.
3,693	- -	3,693	863	- -	863	- -	- -	- -	5
10,428	- -	10,428	1,457	- -	1,457	154	- -	154	6,8
93	- -	93	223	- -	223	9	- -	9	4
—	—	—	—	—	—	—	—	—	—
1,669	- -	1,669	83	- -	83	4	- -	4	1
895	- -	895	76	- -	76	9	- -	9	7
1,549	- -	1,549	- -	- -	- -	- -	- -	- -	9
- -	5,154	5,154	- -	815	815	—	—	—	—
554	- -	554	57	- -	57	- -	- -	- -	3
945	- -	945	17	- -	17	5	- -	5	9,9
750	- -	750	240	- -	240	45	- -	45	3,3
2,533	- -	2,533	2	- -	2	- -	- -	- -	6,4
3,516	- -	3,516	133	- -	133	- -	- -	- -	9
1,669	- -	1,669	83	- -	83	4	- -	4	1
17,924	- -	- -	2,802	- -	- -	222	- -	- -	28,5
99,152	- -	- -	35,634	- -	- -	1,597	- -	- -	71,7
677	- -	677	—	—	—	—	—	—	—
117,753	44,837	162,590	38,436	11,013	49,449	1,819	1,819	3,638	100,3
- - - - -	£.	- - - - -	- - - - -	£.	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -
- - - - -	165,446	- - - - -	- - - - -	80,356	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -
- - - - -	5,265	- - - - -	- - - - -	1,553	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -
{ Issues - - - - 296,219 }	£.	{ Issues - - - - 215,701 }	- - - - -	£.	{ Issues - - - - 883 }	- - - - -	- - - - -	- - - - -	- - - - -
{ Returns - - - - 115,834 }	412,053	{ Returns - - - - 6,697 }	- - - - -	222,398	{ Returns - - - - 886 }	- - - - -	- - - - -	- - - - -	- - - - -
{ Issues - - - - 13,496 }	£.	{ Issues - - - - 883 }	- - - - -	1,769	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -
{ Returns - - - - 3,145 }	16,641	{ Returns - - - - 886 }	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -
- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -
DEPRECIATION AND APPRECIATION ACCOUNT.									
- - - - -	£. 1,486	- - - - -	- - - - -	£. 9,848	- - - - -	- - - - -	£. 3,288	- - - - -	- - - - -

APPENDIX.

A STATEMENT showing the AMOUNTS brought to account between the 1st April 1874 and the 31st March 1875, for HER MAJESTY'S SHIPS and VESSELS SOLD, together with the AMOUNTS realised by the SALE of MATERIALS taken from SHIPS BROKEN UP.

NAME OF SHIP.	Purchase Money received for Old and Unserviceable Ships, sold out of the Service.	Repayments by the Admiralty to Purchasers of Old Ships, for Copper, &c., arising when they were broken up, &c., &c.	Proceeds of the Sale of Materials obtained from Ships when broken up in Her Majesty's Dockyards, or by Contractors for breaking up Old Ships.	REMARKS.
	£. s. d.	£. s. d.	£. s. d.	
Acorn - - - - -	- -	214 7 6	- -	Amount allowed to the purchaser of the ves- sel for copper stolen.
Aigle - - - - -	25 - -	—	—	
Ariadne - - - - -	632 12 2	—	—	
Cygnets - - - - -	42 - -	—	—	
Jaseur - - - - -	2,300 - -	—	—	
Jersey (Cutter) - - - - -	286 17 9	—	—	
Leven - - - - -	1,682 5 10	—	—	
Melville - - - - -	7,565 - -	—	—	
Pandora - - - - -	2,200 - -	—	—	
Weser - - - - -	1,477 10 -	—	—	
Zebra - - - - -	5,090 14 5	—	—	
TOTAL - - - £.	21,302 - 2	214 7 6	—	
Purchase Money, &c. - - - - -	- - - - -	- - - - -	21,302 - 2	
Less, Repayments - - - - -	- - - - -	- - - - -	214 7 6	
TOTAL Net Credit for Ships, &c., Sold - - £.	- - - - -	- - - - -	21,087 12 8	



NAVY (ADMIRALTY TRIAL OF COAL).

RETURN to an Order of the Honourable The House of Commons,
dated 9 March 1876;—for,

RETURN “of all TRIALS of COAL recently made by the ADMIRALTY,
adopting as far as possible the Form of similar Returns previously made
to this House.”

Admiralty, }
12 June 1876. }

THOS. WOLLEY,
Chief Clerk.

(*Mr. Cordes.*)

Ordered, by The House of Commons, to be Printed,
13 June 1876.

LIST of the accompanying Papers showing the Results of TRIALS of COALS recently made by the ADMIRALTY.

(This Return includes all Trials made since 1st January 1875, and also, with regard to Pentremaur, Pumpquort, Trimsaran, and Capel Ifan coals, trials made before that date, as in these cases, the trials of the coals commenced before 1st January 1875.)

Description of Coal.	Yard or Ship where Tried.	Date of Report.	Page.
Pentremaur Coal (Anthracite) - -	Portsmouth - - - - -	Oct. 1873	3
	Her Majesty's Ship Spiteful - - -	June 1874	4
	" " Fox - - -	Sept. "	4
	" " Salamander - - -	Dec. "	5
Pentremaur, Capel Ifan, and Annesley Top Hard.	Portsmouth - - - - -	Nov. 1875	5
Pumpquort Coal (Anthracite) - -	Portsmouth - - - - -	July 1874	20
	" " (Grinder) - - -	July "	25
	Her Majesty's Ship Agincourt - - -	Nov. "	35
	" " Northumberland - - -	Dec. "	36
	" " Tamar - - -	Nov. "	37
	" " Simoom - - -	Dec. "	40
	" " Himalaya - - -	Dec. "	40
	" " Fox - - -	Dec. "	41
	" " Sultan - - -	Feb. 1875	41
	" " Agincourt - - -	March "	43
	" " Sultan - - -	June "	49
	" " Salamander - - -	June "	58
	" " Contest - - -	June "	58
	" " Glatton - - -	June "	58
	" " Minx - - -	July "	59
	" " Buffalo - - -	July "	59
	" " Resistance - - -	March "	60
	" " Black Prince - - -	March "	60
Trimsaran Coal (Anthracite) - -	Portsmouth - - - - -	July 1874	76
	Portsmouth - - - - -	Nov. 1875	77
Capel Ifan Coal (Anthracite) - -	Portsmouth - - - - -	Sept. 1874	78
	Portsmouth - - - - -	Jan. 1875	9
	Her Majesty's Ship Fox - - -	Aug. "	81
Hard Steam (Yorkshire) Coal, Victoria Colliery, and Top Hard.	Portsmouth - - - - -	Jan. 1875	81
Sandy Point - - - - -	Her Majesty's Ship Albatross - - -	Feb. "	83
Patent Compressed Fuel :			
Bathgate - - - - -	" " Favorite - - -	Feb. "	84
Bathgate - - - - -	" " Favorite - - -	Sept. "	92
Crown - - - - -	Portsmouth - - - - -	April "	85
Diamond - - - - -	Her Majesty's Ship Devastation - - -	May "	89
Penders - - - - -	" " Tamar - - -	May "	90
Crown - - - - -	" " Simoom - - -	May "	92
Crown - - - - -	" " Resistance - - -	Dec. "	98
	" " Black Prince - - -	Dec. "	98
Glyncorrgw Colliery Company	Portsmouth - - - - -	Oct. "	98
Messrs. Miller's	Portsmouth - - - - -	Dec. "	95
(Not known) - - - - -	Her Majesty's Ship Triumph - - -	Dec. "	98
Kelung Coal - - - - -	Portsmouth - - - - -	May "	99
	Dr. Percy - - - - -	June "	99
Zambesi Coal - - - - -	Packet "Tete," Mozambique - - -	July "	101
	Steam Cutter of Her Majesty's Ship "Thetis," Mozambique. - - -	Aug. "	101
	Dr. Percy - - - - -	Nov. "	102
Fernhill Merthyr Coal - - - - -	Portsmouth - - - - -	Aug. "	103
Dinas Merthyr Coal - - - - -	Portsmouth - - - - -	Oct. "	104
Cambois Hartley and West Sleekburn Coal.	Portsmouth - - - - -	Oct. "	105
Benhar Coal - - - - -	Portsmouth - - - - -	Oct. "	106
Atlantic Merthyr Coal - - - - -	Portsmouth - - - - -	Nov. "	107
Welsh Bituminous Coals :			
Trials ashore - - - - -	Portsmouth - - - - -	April "	108
Trials afloat - - - - -	" Grinder" - - - - -	Feb. 1876	112
Different descriptions of Coal purchased from the Contractors, and tested at the Yards to ascertain the quality of the Coal purchased.	Home Yards (Quarterly Returns) - - -	1 January 1875 to 31 March 1876.	134

RETURN OF ALL TRIALS OF COALS RECENTLY MADE BY THE ADMIRALTY.

PENTREMAUR STEAM COAL.

Pentremaur Steam
Coal.

RESULTS OF TRIAL.

(N. S. 3045 A.—75.)

Sir,

Portsmouth Yard, 7 October 1873.

WE have the honour to forward herewith a tabulated form, showing the results obtained at the trials of the Pentremaur steam coal sent in by Messrs. Miller, of the Coal Exchange, London, these trials being made in the presence of their representative, Mr. Bowen, observing that the results obtained from the trials of the coal by itself, and mixed with Cowpen Cambois Hartley in the proportion of one-third of Cowpen Cambois Hartley and two-third Pentremaur, are very satisfactory.

We have, &c.

The Admiral Superintendent.

W. B. Robinson,

Master Shipwright and Engineer.

William Henry Steil,

Engineer Assistant.

Forwarded.

F. L. M'Clintock,

Admiral Superintendent.

8 October 1873.

RETURN of the Trial of Pentremaur Steam Coal from Messrs. A. & C. Miller, prepared in accordance with Secretary of State's Letter of the 27th June last, N.S., 2849—4548.

DATE OF TRIAL.	Coals used in Trial.	DESCRIPTION OF COALS.	Number of lbs. of Water Evaporated by 1 lb. of Coal, calculated from the Temperature of 100 degrees.	Number of lbs. of Water Evaporated per square foot of Fire-grate per hour, calculated from the Temperature of 100 degs.	Per-centage of Clinker and Ash.			Smoke Numbers.			Number of lbs. of Coal Burnt per square foot of Fire-grate per hour.	Deposit of Soot.	Cinders Re-burnt.	Temperature in Funnel.	REMARKS.
					Clinker.	Ash.	TOTAL.	Maximum.	Average.	Per-centage of Time of no Smoke.					
1873 :	<i>cwt.</i>											<i>lbs.</i>	<i>lbs.</i>	<i>degs.</i>	
24 Sept. -	15	Pentremaur coals (hand picked).	8.86	159.39	.71	6.07	6.78	-	No smoke	-	19.50	7	144	343	Length of fire-bars, 3 ft. ; height of bridge, 12 inches ; area over bridge, 160 square inches.
25 " -	15	Ditto - ditto -	9.19	193.25	.59	7.14	7.73	-	No smoke	-	22.49	6	132	405	Ditto - ditto.
26 " -	15	Ditto - ditto -	9.24	192.11	.83	5.95	6.78	-	No smoke	-	23.16	8	161	415	Ditto - ditto.
30 " -	15	Pentremaur coals (as taken from the heap).	9.38	171.10	1.01	5.53	6.54	-	No smoke	-	19.63	7	153	485	Length of fire-bars, 4 ft. ; height of bridge, 11 inches ; area over bridge, 170 square inches.
1 Oct. -	15	$\frac{2}{3}$ Pentremaur coals, $\frac{1}{3}$ Cowpen Cambois Hartley (as taken from the heap).	8.67	211.84	.89	3.87	4.76	4	1.59	2.08	24.90	9	74	618	Ditto - ditto.
2 " -	15	$\frac{1}{2}$ Pentremaur coals, $\frac{1}{2}$ Cowpen Cambois Hartley (as taken from the heap).	8.03	221.05	1.26	3.27	4.53	6	2.72	3.71	27.22	10	65	647	Ditto - ditto.
3 " -	15	Pentremaur coals (hand picked).	9.35	185.36	1.13	5.59	6.72	-	No smoke	-	20.15	7	141	599	Ditto - ditto.

Coals, slow burning ; evaporative power very good ; smokeless and harder than ordinary Welsh coals. The comparatively low results of the first trial were due to the heavy firing used before Mr. Bowen's arrival on that day, which is not suitable to this kind of coal. It will be seen from the 4th and 7th trials, that the evaporative powers of the coal when taken from the heap, *i.e.*, with large and small (produced by transporting, &c.) mixed, and when hand picked are practically equal ; and, as the coal has been lying exposed for two months, we consider the results of these trials to be very satisfactory ; and that it would be a good coal for boilers having a large proportion of fire-grate to heating surface.

W. B. Robinson,
Master Shipwright and Engineer.
William Henry Steil,
Engineer's Assistant.

Portsmouth Yard,
7 October 1873.

Pentremaur Steam
Coal.

(N. S. 3045 A.—75.)

Her Majesty's Ship "Spiteful,"
30 June 1874.

REPORT on the undermentioned Coal under Trial in Her Majesty's Ship "Spiteful."

Date of Trial.	Description.	REPORT.
19 Feb. 1874 -	Welsh coals, Pentremaur. (A kind of anthracite, slow burning, smokeless, liable to break up if quickly heated; gives great heat in burning, and burns to a white ash.)	On account of its slow combustion, the area of grate surface of ordinary boilers is not large enough to obtain steam for high speeds. Very economical at slow speeds; and treating it as an anthracite coal, by heating it on the front bars before putting it over the fires. Not so good when mixed, on account of its liability to crumble when suddenly heated, unless some fires for burning ashes can be used.

Mervyn B. Medlycott, Commanding Officer.

Fras. Martin, Chief Engineer.

REPORTING ON PENTREMAUR COAL.

(N. S. 3045 A.—75.)

Her Majesty's Ship "Fox,"
Portsmouth, 30 September 1874.

Sir,

IN compliance with an order from the Commander in Chief at Portsmouth, to report on 100 tons of Pentremaur coal to be used in the following proportions, viz., 70 tons to be tried by itself, and 30 tons to be tried with 15 tons of North Country coal, I beg respectfully to inform you that the trial of the 70 tons was used with the furnace bars unaltered, the fires being charged with coal prior to receiving the Pentremaur coal, when steam was raised without difficulty, but it was found after firing with the experimental coal, steam fell so rapidly that scarcely any control could be kept over the engines, and after the fires were drawn it was discovered that several of the bars were fused together; for the second trial the number of bars in each furnace were reduced by nine, being a total of 54 bars less to allow more air space, the same difficulty was still experienced, and after the fires had been lighted two hours, with an additional quantity of wood, the water was cold; steam then had to be raised with wood to get the ship under weigh, and it was found necessary to use the blast, to keep the engines going; in this case the per cent. of ash was considerable, in addition to the stokehole being excessively hot. I consider the Pentremaur coal positively useless and dangerous, as the engineer officers have no control over the engines, arising from a want of steam. In the trial with the 30 tons of Pentremaur coal, mixed with 15 tons of North Country, the results were a little better, but immediately on firing, steam would drop 4 lbs. or 5 lbs., causing great irregularity in the working of the engines.

I have, &c.

H. C. Jones,
Chief Engineer.

Staff Commander, Samuel Braddon,
Her Majesty's Ship "Fox."

Approval and forwarded for the information of the Commander in Chief.

S. Braddon, Staff Commander.

"FOX."—REPORT ON PENTREMAUR COAL.

"Duke of Wellington," at Portsmouth,
1 October 1874.

SUBMITTED to the Lords Commissioners of the Admiralty for their information.

The Secretary of the Admiralty.

Rodney Mundy, Admiral.

(N. S. 3045 A.—75.)

Her Majesty's Ship "Salamander,"
31 December 1874.

REPORT on the undermentioned Coal under Trial in Her Majesty's Ship "Salamander."

Date of Trial.	Description.	REPORT.
30th and 31st July. 12th and 13th August 1874.	51 tons of Pentremaur coals -	<p>This coal is not suitable for vessels of limited draught, and when using the blast does not cause a sufficient supply of air to consume it, although the fires were kept thin as per instructions.</p> <p>The evaporative value is high if the grate surface were large enough to enable the whole of the heating power to be extracted. The per-centage of ash, soot, and clinker, after tubes were swept and furnaces cleaned, is 18·6. The Pentremaur coal mixed with one-third North Country is an improvement, but difficult to keep steam, the draught not being sufficient to burn the mixture. Per-centage of ash and clinker 16·8. Equal proportions of Pentremaur and North Country coal would be a better mixture for vessels of this class.</p>

Wm. Dark, Chief Engineer.

Approved,
Jas. Kiddle, Staff Commander.

COALS—TRIALS OF.

(N. S. 161—76.)

Sir,

Portsmouth Yard, 22 November 1875.

WE have the honour to forward herewith tabulated results of the trials so far made with Pentremaur, Capel Ifan, and Annesley top hard coals, in accordance with your memorandum of 1st May on Superintendent of Stores letter of 29th April last, N. S. P. N. 2655—2986.

The Pentremaur and Capel Ifan could not be used alone at the wood mills boiler; they did not burn quickly enough to keep the required steam, but a mixture of top hard with either in equal proportions answers very well there.

From the results of the six hours' trials, it will be observed that the saving in expenditure of fuel per indicated horse-power per hour when using the anthracite is considerable; the following tables, however, show the actual cost of the coal expended per hour run by the machinery, taking the prices of the different coals as follows, viz.:—Annesley top hard at 17 s. 8 d.; Pentremaur at 21 s.; and Capel Ifan at 22 s. per ton. The coal expended per hour being obtained by divided total quantity of coal used for laying fires and raising steam, banking, and steaming, by the number of hours run by the machinery.

Pentremaur,
Capel Ifan, and
Annesley Coal.

Pentremaur,
Capel Ifan, and
Annesley Coal.

TRIALS of Annesley and Pentremaur.

Boiler in which Coal was used.	Pounds of Coal Burnt for each Hour Run by the Machinery when using			Cost of Running in Pence per Hour.		Saving of Cost per Cent. by use of	
	Annesley.	Pentremaur.		Annesley.	Pentremaur.	Annesley.	Pentremaur.
80 horse-power engines - -	528.4	Annesley.	Pentremaur.				
		11.7	376.6	50.0	43.5	- -	13.0
Iron foundry - - - -	309.7	17.8	228.4	29.3	27.4	- -	6.5
South saw mills - - -	229.0	34.4	156.2	21.7	20.7	- -	4.6
TOTALS - - -	1,067.1	68.9	761.2	101.0	91.6	- -	9.3

TRIALS of Annesley and Capel Ifan.

Boiler in which Coal was used.	Pounds of Coal Burnt for each Hour Run by the Machinery when using			Cost of Running in Pence per Hour.		Saving of Cost per Cent. by use of	
	Annesley.	Capel Ifan.		Annesley.	Capel Ifan.	Annesley.	Capel Ifan.
80 horse-power engines - -	512.5	34.1	Capel Ifan. 397.1	48.5	50.0	3.1	—
South saw mills - - -	247.5	34.4	155.7	23.4	21.5	—	8.1
TOTAL - - -	760.0	68.5	552.8	71.9	71.5	—	5.1

Owing to having other trials at the iron foundry boilers the comparative trials with Capel Ifan and Annesley have not yet been carried out, but when completed the further results will be forwarded.

It will be noticed that of the second month's trial of Annesley, at the 80 horse-power engines, only two weeks have been completed, the trial being stopped in consequence of the breaking down of one of the engines, but as the expenditure is nearly the same as in the previous month's trial of the same fuel, the result may be considered sufficiently accurate for the purposes of comparison.

In the trials of Pentremaur and Capel Ifan it will be seen that a small portion of Annesley had been used; this was for the purpose of lighting up and raising steam in the morning.

From the above it will be observed, that with the use of Pentremaur and Capel Ifan in the new boilers of the yard, a saving of fuel of from 17 to 24 per cent. is effected, while the saving in cost varies from $\frac{1}{3}$ to 9.3 per cent.

From the trials made in the boilers of the engines of the iron shipbuilding shop and No. 4 slip, which are of older types, the saving of fuel varies from 12 to 13.4 per cent., and the cost is about the same.

There are the further advantages in the use of Capel Ifan and Pentremaur, when used alone, of a complete absence of smoke, and when mixed with top hard, of a considerable reduction in the same; also, the cost of receipt and issue will be reduced in proportion to the lesser quantity of coal used.

We are, therefore, of opinion that Capel Ifan or Pentremaur might be used for the yard engines in this yard to the extent of about 3,000 tons per annum, the present total expenditure for this purpose being about 5,600 tons.

Pentremaur,
Capel Ifan, and
Annesley Coal.

We have, &c.
W. B. Robinson, Chief Constructor.
W. Henry Steil, Chief Engineer.
Edward Newman, First Assistant.

The Admiral Superintendent.

Forwarded.
Charles L. Waddilove,
for Admiral Superintendent on leave.

22 November 1875.

80 HORSE-POWER ENGINES FACTORY MACHINERY.

TRIALS of Anthracite and Annesley Top Hard Coals.

May to October 1875.

DESCRIPTION OF COALS, &c.	Coal used for Banking and Lighting up.		Coal used for Steaming only.	Total Coal used.	Total Hours worked.	Pounds of Coal per Hour. (Average.)	Pounds of Coal per Square Foot of Fire-grate per Hour. (Steaming.)	Pounds of Coal per Indicated Horse-Power per Hour.
	Anthracite.	Annesley.						
	<i>Cwts.</i>	<i>Cwts.</i>	<i>Cwts.</i>	<i>Cwts.</i>				
Pentremaur Anthracite:								
Month's trial - - -	100	39	1,156	1,295	373½	388·3	8·	2·24
Length of fire-grate used, 5 ft.								
Annesley Top Hard:								
1st month - - -	-	120	1,779	1,899	402½	528·4	22·8	3·56
Length of fire-grate, 2 ft. 6 in.								
Capel Ifan Anthracite:								
Month's trial - - -	-	120	1,397	1,517	394	431·2	9·2	2·25
Length of fire-grate, 5 ft.								
Annesley Top Hard:								
2 weeks of 2nd month - - -	-	60	689	749	164	512·5	21·7	-
Length of fire-grate, 2 ft. 6 in.								

IRON SHIP BUILDING SHOP 30 HORSE-POWER ENGINE.

TRIALS of Anthracite and Annesley Top Hard Coals.

June to October 1875.

DESCRIPTION OF COAL, &c.	Coal used for Banking and Lighting up.		Coal used for Steaming only.	Total Coal used.	Total Hours Worked.	Pounds of Coal per Hour. (Average.)	Pounds of Coal per Square Foot of Fire-grate per Hour. (Steaming.)	Pounds of Coal per Indicated Horse-Power per Hour.
	Anthracite.	Annesley.						
Pentremaur Anthracite :	<i>Cwts.</i>	<i>Cwts.</i>	<i>Cwts.</i>	<i>Cwts.</i>	Pentremaur - 289 Annesley - 46.5			
Month's trial - -	58	88	489	635	212	335.5	9.62	5.13
Length of fire-grate, 3 ft. 10 in.					Full time.	No overtime.		
Annesley Top Hard :								
1st Month - -	- -	176	614	790	221½	399.4	15.2	6.34
Length of fire-grate, 2 ft. 11 in. (mean).								
Capel Ifan Anthracite :						Capel Ifan - 273 Annesley - 47		
Month's trial - -	60	93	480	633	221½	320.1	9.03	5.11
Length of fire-grate, 3 ft. 10 in.					Full time.	No overtime.		
Annesley Top Hard :								
3 weeks only - -	- -	114	462	576	166½	337.5	15.22	6.5
Length of fire-grate, 2 ft. 11 in. (mean).								
Capel Ifan Anthracite :						Capel Ifan - 274.4 Annesley - 46.4		
1 week only - -	15	23	121	159	55½	320.9	9.10	
Length of fire-grate, 3 ft. 10 in.								
Pentremaur Anthracite :						Pentremaur - 284.05 Annesley - 43.8		
1 week only - -	15	23	134	172	58½	327.9	9.52	
Length of fire-grate, 3 ft. 10 in.								
Annesley Top Hard :								
1 week only - -	- -	34	143	177	48½	410.9	16.25	
Length of fire-grate, 2 ft. 11 in.								

No. 4 SLIP 30 HORSE-POWER ENGINE.

TRIALS of Anthracite and Annesley Top Hard Coals.

July to November 1875.

DESCRIPTION OF COALS, &c.	Coal used for Banking and Lighting up.		Coal used for Steaming only.	Total Coal used.	Total Hours worked.	Pounds of Coal per Hour. (Average.)	Pounds of Coal per Square Foot of Fire-grate per Hour. (Steaming.)	Pounds of Coal per Indicated Horse-Power per Hour.
	Anthracite.	Annesley.						
	<i>Cwts.</i>	<i>Cwts.</i>	<i>Cwts.</i>	<i>Cwts.</i>				
Annesley Top Hard :		Full time.						
1st Month's Trial - -	- -	47	307½	354½	221	179·6	28·75	6·6
Length of fire-grate, 2 ft. 6 in.								
				Pentremaur - -	- -	154·7		
				Annesley - -	- -	1·06		
Pentremaur Anthracite :		Full time.						
Month's Trial - -	37	2	255½	294½	211½	155·8	15·58	5·27
Length of fire-grate, 4 ft.								
Annesley Top Hard :		Short time.						
2nd Month's Trial - -	- -	60	307½	367½	203	202·8	31·3	6·63
Length of fire-grate, 2 ft. 6 in.								
				Capel Ifan - -	- -	150·85		
				Annesley - -	- -	20·94		
Capel Ifan Anthracite :		Short time.						
Month's Trial - -	23	34½	225½	283	184½	171·8	15·8	5·5
Length of fire-grate, 4 ft.								

80-HORSE-POWER ENGINES, "FACTORY MACHINERY."

SIX HOURS' TRIAL with Annesley Hard Coal, 8th June 1875.

SUMMARY OF TRIAL.

Time.	Steam		Vacuum.	Temperatures of		Revolutions per			Mean Pressure.		Indicated Horse-power.		TOTAL Indicated Horse-power.	
	Bollers.	Engines.		Steam at Engines.	Feed Water.	Counter.	Hour.	Minute.	High-pressure Cylinders.	Low-pressure Cylinders.	High-pressure Cylinders.	Low-pressure Cylinders.		
9.0	66	64	25	335	130	7,190	7,190	119.83	15.75	14.22	58.214	145.997	204.211	—
10.0	64	62	25.37	330	130	14,370	7,180	119.67	16.20	14.45	59.797	148.160	207.957	—
11.0	63	61	25.37	333	130	21,663	7,293	121.55	16.40	14.35	61.487	149.447	210.934	Maximum.
12.0	65	64	25.25	330	132	28,837	7,174	119.57	16.95	13.70	62.513	140.353	202.866	Average.
1.0	58	57	25.37	326	130	36,004	7,167	119.45	15.25	11.85	56.187	121.278	177.465	—
2.0	64	63	24.87	332	130	43,179	7,175	119.58	16.90	14.20	62.334	145.488	207.822	—
Mean	63.3	61.8	25.20	331	130.3	—	7,196.5	119.94	16.24	13.79	60.089	141.787	201.876	—

Consumption of coal (Annesley) = 38½ cwt. = 4,312 lbs. = 718.67 lbs. per hour (six hours trial).
= 33.16 lbs. per square foot of fire-grate per hour.
= 3.56 lbs. per indicated horse-power per hour.

30-HORSE-POWER "SOUTH SAW MILLS."

SIX HOURS' TRIAL of Annesley Hard Coal, with Steam Jacket, 21st July 1875.

SUMMARY OF TRIAL.

Time.	Steam.	Vacuum.	Tempera- ture of Feed Water.	Water in Steam Jacket.	Revolutions of Engine			Indicator Diagrams.		Power Meter.			—
										Foot Lbs. per Circular Inch of Piston.		Indicated Horse- power.	
					TOTAL.	Per Hour.	Per Minute.	Mean Pressure.	Indicated Horse- power.	TOTAL.	Per Hour.		
9.0	52	25.0	100	Lbs. 35	2,502	2,502	41.70	24.3	90.438	138.000	138.000	43.560	—
10.0	56	27.5	118	38.1	4,998	2,496	41.60	5.0	18.564	225.200	87.200	27.524	—
11.0	54	26.5	144	41.2	7,495	2,497	41.62	9.7	36.031	343.800	118.600	37.436	—
12.0	52	26.5	84	37.5	10,015	2,520	42.00	13.7	51.354	429.800	86.000	27.146	—
1.0	48	27.0	75	35	12,505	2,490	41.50	3.4	12.593	472.100	42.300	13.352	—
2.0	51	26.5	96	35	15,005	2,500	41.67	9.1	33.843	543.900	71.800	22.664	—
Mean	52.2	26.5	103	36.9	—	2,500.8	41.68	10.87	40.470	—	90.650	28.614	—

1,092 lbs. of coal (Annesley) consumed in six hours = 182 lbs. per hour.
= 12 lbs. per square foot of fire-grate per hour.
= 4.5 lbs. per indicated horse-power per hour by Indicator Diagrams.
= 6.36 lbs. per indicated horse-power per hour by Power Meter.
Total water from Steam Jacket, 22 gallons 1½ pints = 221.875 lbs. in six hours = 36.98 lbs. per hour.

Pentremaur,
Capel Ifan, and
Annesley Coal.

30-HORSE-POWER ENGINE, "IRON SHIP BUILDING SHOP."

SIX HOURS' TRIAL with Annesley Top Hard Coal, 23rd July 1875.

SUMMARY OF TRIAL.

Time.	Steam		Vacuum.	Tempera- ture of Feed Water.	Revolutions of Engine			Mean Pressure.	Indicated Horse- power.	—
	Boilers.	Engine.			TOTAL.	Per Hour.	Per Minute.			
9.0	37	35	27	62	2,369	2,369	39.48	9.23	54.638	—
10.0	38	36	26.5	62	4,600	2,231	37.18	9.95	55.469	—
11.0	38	36	26.5	62	6,813	2,213	36.88	9.90	54.745	—
12.0	37	35	26.5	62	9,082	2,269	37.82	9.55	54.155	—
1.0	38	36	26.5	62	11,322	2,240	37.33	9.15	51.215	—
2.0	39	37	26.5	62	13,302	1,980	33.00	12.10	59.871	—
Mean	37.8	35.8	26.6	62	—	2,217	36.95	9.98	55.015	—

2,093 lbs. of coal (Annesley) consumed in six hours = 348.833 lbs. per hour.
= 17.08 lbs. square foot of fire-grate per hour.
= 6.34 lbs. per indicated horse-power per hour.

30-HORSE-POWER ENGINE, "No. 4 SLIP" (1 CYLINDER of 60-HORSE-POWER ENGINE).

SIX HOURS' TRIAL with Annesley Top Hard Coal, 20th August 1875.

SUMMARY OF TRIAL.

Time.	Steam (Boilers).	Vacuum.	Tempera- ture of Feed Water.	Revolutions of Engine			Mean Pressure.	Indicated Horse- power.	—
				TOTAL.	Per Hour.	Per Minute.			
9.0	48	25.75	64	6,465	6,465	107.75	12.6	20.680	—
10.0	48	26.00	65	12,726	6,261	104.35	13.6	21.617	Average.
11.0	49	25.75	64	19,113	6,387	106.45	17.8	28.862	Maximum.
12.0	48	25.50	64	25,523	6,410	106.83	11.05	17.981	—
1.0	48	25.50	64	31,947	6,424	107.07	10.7	17.450	—
2.0	49	25.50	64	38,397	6,450	107.50	16.1	26.863	—
Mean	48.3	25.67	64	—	6,399.5	106.66	13.64	22.159	—

877 lbs. of coal (Annesley) consumed in six hours = 146.167 lbs. per hour.
= 26.97 lbs. per square foot of fire-grate per hour.
= 6.6 lbs. per indicated horse-power per hour.

30-HORSE-POWER ENGINE, "IRON SHIP BUILDING SHOP."

SIX HOURS' TRIAL with Annesley Top Hard Coal, 17th September 1875.

SUMMARY OF TRIAL.

Time.	Steam		Vacuum.	Tempera- ture of Feed Water.	Revolutions of Engine			Mean Pressure.	Indicated Horse- power.	—
	Boilers.	Engine.			TOTAL.	Per Hour.	Per Minute.			
9.0	36	37	26.75	64	2,202	2,202	36.70	9.20	50.625	—
10.0	38	39	26.75	64	4,414	2,212	36.87	10.10	55.836	Maximum.
11.0	38	39	26.75	64	6,679	2,265	37.75	9.75	55.187	—
12.0	37	38	26.75	64	8,891	2,212	36.87	9.35	51.689	—
1.0	37	38	26.75	64	11,112	2,221	37.02	8.30	46.071	—
2.0	38	39	26.75	64	13,373	2,261	37.68	9.20	51.978	Average.
Mean -	37.3	38.3	26.75	64	- -	2,228.8	37.15	9.32	51.898	—

2,025 lbs. of coal (Annesley) consumed in six hours = 337.5 lbs. per hour.

= 16.52 lbs. per square foot of fire-grate per hour.

= 6.5 lbs. per indicated horse-power per hour.

30-HORSE-POWER ENGINE, "SOUTH SAW MILLS."

SIX HOURS' TRIAL with Annesley Top Hard Coal, 6th October 1875.

SUMMARY OF TRIAL.

Time.	Steam at Boiler.	Vacuum.	Tempera- ture of Feed Water.	Revolutions of Engine			Indicator Diagrams.		Power Meter.			—	
									Foot Lbs. per Circular Inch of Piston.		Indicated Horse- power.		
				TOTAL.	Per Hour.	Per Minute.	Mean Pressure.	Indicated Horse- power.	TOTAL.	Per Hour.			
9.30	55	26.0	172	2,514	2,514	41.90	22.2	83.018	120.600	120.600	38.069	—	
10.30	57	27.5	144	5,020	2,506	41.77	7.9	29.451	239.000	118.400	37.375	Average.	
11.30	55	25.0	132	7,509	2,489	41.48	25.2	93.293	392.200	153.200	48.360	Maximum.	
12.30	53	27.5	108	10,034	2,525	42.08	4.2	15.774	454.600	62.400	19.698	—	
1.30	56	27.5	133	12,497	2,463	41.05	6.2	22.715	539.400	84.800	26.768	—	
2.30	53	25.5	146	15,024	2,527	42.12	23.7	89.093	627.800	88.400	27.904	—	
Mean	54.8	26.5	139	—	2,504	41.73	14.9	55.557	—	—	104.633	33.029	—

1,386 lbs. of coal (Annesley) consumed in six hours = 231 lbs. per hour.

= 15.23 lbs. per square foot of fire-grate per hour.

= 4.16 lbs. per indicated horse-power per hour by Indicator Diagram.

= 6.99 lbs. per indicated horse-power per hour by Power Metér.

Pentremaur,
Capel Ifan, and
Annesley Coal.

30-HORSE-POWER ENGINE, "No. 4 SLIP" (1 CYLINDER of 60-HORSE-POWER ENGINE).

SIX HOURS' TRIAL with Annesley Top Hard Coal, 8th October 1875.

SUMMARY OF TRIAL.

Time.	Steam (Boiler).	Vacuum.	Tempera- ture of Feed Water.	Revolutions of Engine			Mean Pressure.	Indicated Horse- power.	
				TOTAL.	Per Hour.	Per Minute.			
9.0	49	24.50	58	6,488	6,488	108.13	19.8	32.611	Maximum.
10.0	44	24.75	58	12,911	6,423	107.05	15.2	24.785	Average.
11.0	49	24.75	58	19,328	6,417	106.95	19.9	32.418	—
12.0	43	24.75	58	25,779	4,651	107.52	11.1	18.179	—
1.0	46	24.75	58	32,068	6,289	104.82	12.1	19.319	—
2.0	47	24.50	58	38,468	6,400	106.67	17.2	27.946	—
Mean	46.3	24.67	58	- -	6,411.3	106.85	15.88	25.876	—

1,030 lbs. of coal (Annesley) consumed in six hours = 171.667 lbs. per hour.
= 31.67 lbs. per square foot of fire-grate per hour.
= 6.63 lbs. per indicated horse-power per hour.

30-HORSE-POWER ENGINE, "IRON SHIP BUILDING SHOP."

SIX HOURS' TRIAL with Capel Ifan Coal, 18th August 1875.

SUMMARY OF TRIAL.

Time.	Steam		Vacuum.	Tempera- ture of Feed Water.	Revolutions of Engine			Mean Pressure.	Indicated Horse- power.	
	Boilers.	Engine.			TOTAL.	Per Hour.	Per Minute.			
9.30	37	36	27	66	2,265	2,265	37.75	9.52	53.885	—
10.30	37	36	27	67	4,564	2,299	38.32	9.30	53.435	Average.
11.30	37	36	27	68	6,840	2,276	37.93	8.60	48.910	—
12.30	38	37	27	66	9,144	2,304	38.40	7.70	44.334	—
1.30	37	36	27	66	11,405	2,261	37.68	8.67	48.983	—
2.30	37	36	27	66	13,576	2,171	36.18	10.55	57.232	Maximum.
Mean	37.2	36.2	27	66.5	- -	2,262.7	37.71	9.057	51.130	—

1,568 lbs. of coal (Coal Ifan) consumed in six hours = 261.333 lbs. per hour.
= 9.74 lbs. per square foot of fire-grate per hour.
= 5.11 lbs. per indicated horse-power per hour.

30-HORSE-POWER ENGINE, "SOUTH SAW MILLS."

SIX HOURS' TRIAL of Capel Ifan Coal, Power Meter used, 3rd September 1875.

SUMMARY OF TRIAL.

Time.	Steam (Boilers).	Vacuum.	Tempe- rature of Feed Water.	Revolutions of Engine			Indicator Diagrams.		Power Meter.			—
				TOTAL.	Per Hour.	Per Minute.	Mean Pressure.	Indicated Horse- power.	Foot Lbs. per Circular Inch of Piston.			
									TOTAL.	Per Hour.	Horse- power.	
9.0	55	27	104	2,558	2,558	42.63	5.7	21.687	74.600	74.600	23.549	—
10.0	53	25	90	5,085	2,527	42.12	20.4	76.688	220.200	145.600	45.960	—
11.0	60	26	98	7,608	2,523	42.05	16.1	60.423	385.600	165.400	52.210	—
12.0	58	27½	78	10,121	2,513	41.88	3.9	14.577	442.000	56.400	17.803	—
1.0	54	27	102	12,624	2,513	41.88	3.2	11.961	495.600	53.600	16.919	—
2.0	57	26	92	15,149	2,515	41.92	21.8	81.561	611.400	115.800	36.554	—
Mean	56.3	26.4	94	- - -	2,524.8	42.08	11.85	44.483	- - -	101.900	32.166	—

978 lbs. of coal (Capel Ifan) consumed in six hours = 163 lbs. per hour.
 = 752 lbs. per square foot of fire-grate per hour.
 = 5.07 lbs. per indicated horse-power per hour by Power Meter.
 = 3.66 lbs. per indicated horse-power per hour by Indicator Diagram.

80-HORSE-POWER ENGINES, FACTORY MACHINERY.

SIX HOURS' TRIAL with Capel Ifan Coal, 21st October 1875.

SUMMARY OF TRIAL.

Time.	Steam		Vacuum.	Temperatures of		Revolutions of Engine			Mean Pressure.		Indicated Horse-power.		TOTAL.	—
	Boilers.	Engines.		Steam at Engines.	Feed Water.	TOTAL.	Per Hour.	Per Minute.	High-pressure Cylinders.	Low-pressure Cylinders.	High-pressure Cylinders.	Low-pressure Cylinders.	Indicated Horse-power.	
9.0	64	60	22.12	312	138	6,468	6,468	107.80	13.05	16.25	43.392	150.090	193.482	—
10.0	64	60	22.12	310	141	12,911	6,443	107.38	14.90	15.40	49.350	141.685	191.035	—
11.0	65	61	22.75	310	139	19,433	6,522	108.70	15.75	14.55	52.807	135.510	188.317	—
12.0	67	63	22.87	304	132	26,097	6,664	111.07	16.35	13.55	56.014	128.948	184.962	—
1.0	66	62	22.75	304	130	32,734	6,637	110.62	15.40	11.60	52.555	109.944	162.499	—
2.0	66	62	22.75	318	138	39,353	6,619	110.32	17.45	14.97	59.379	141.500	200.879	—
Mean	65.3	61.3	22.39	309.7	136	- -	6,559	109.31	15.48	14.39	52.249	134.613	186.862	—

Consumption of coal (Capel Ifan) = 2,520 lbs. in six hours = 420 lbs. per hour.
 = 9.69 lbs. per square foot of fire-grate per hour.
 = 2.25 lbs. per indicated horse-power per hour.

30-HORSE-POWER ENGINE, "No. 4 SLIP" (1 CYLINDER OF 60-HORSE-POWER ENGINE).

SIX HOURS' TRIAL with Capel Ifan Coal, 9th November 1875.

SUMMARY OF TRIAL.

Time.	Steam (Boilers).	Vacuum.	Temperature of Feed Water.	Revolutions of Engine			Mean Pressure.	Indicated Horse- power.	—
				TOTAL.	Per Hour.	Per Minute.			
9.0	45'	25'00	54	6,341	6,341	105'68	19'8	31'872	—
10.0	45'5	25'12	54	12,810	6,469	107'82	16'0	26'277	—
11.0	43'	25'25	54	19,159	6,349	105'82	16'75	26'998	—
12.0	40'5	25'12	54	25,364	6,205	103'42	15'55	24'496	—
1.0	43'	25'00	54	31,407	6,133	102'21	12'30	19'149	—
2.0	48'	25'00	54	37,632	6,135	102'23	19'90	30'988	—
Mean	44'2	25'0	54	—	6,272	104'53	16'72	26'630	—

880 lbs. of coal (Capel Ifan), consumed in six hours = 146'667 lbs. per hour.
 = 15'04 lbs. per square foot of fire-grate per hour.
 = 5'5 lbs. per indicated horse-power per hour.

80-HORSE-POWER ENGINES, FACTORY MACHINERY.

SIX HOURS' TRIAL with Pentremaur Coal, 3rd June 1875.

SUMMARY OF TRIAL.

Time.	Steam		Vacuum.	Temperatures.		Revolutions per			Mean Pressure.		Indicated Horse-power.		TOTAL.	—
	Boilers.	Engines.		Steam at Engines.	Feed Water.	Counter.	Hour.	Minute.	High-pressure Cylinders.	Low-pressure Cylinders.	High-pressure Cylinders.	Low-pressure Cylinders.	Indicated Horse-power.	
8.30	64	61	25	332	144	7,632	7,632	127'20	17'50	12'45	68'660	135'690	204'350	Maximum.
9.30	65	62	25	332	142	15,060	7,428	123'80	16'95	13'00	64'725	137'893	202'618	—
10.30	66	63	25	330	140	22,449	7,389	123'15	17'10	12'60	64'955	132'949	197'904	—
11.30	65	62	25½	322	144	29,204	6,755	112'58	16'25	13'20	56'428	127'325	183'753	Average.
12'30	66	63	25½	315	140	36,060	6,856	114'27	15'25	10'15	53'751	99'375	153'126	—
1.30	64	62	25½	320	144	42,880	6,820	113'67	15'70	13'02	55'046	126'805	181'851	—
Mean	65	62'2	25'17	325	142'3	—	7,146'7	119'11	16'46	12'40	60'594	126'673	187'267	—

Consumption of coal (Pentremaur) = 2,520 lbs. in six hours = 420 lbs. per hour.
 = 9'7 lbs. per square foot of fire-grate per hour.
 = 2'24 lbs. per indicated horse-power per hour.

40-HORSE-POWER ENGINE, IRON FOUNDRY.

SIX HOURS' TRIAL with Pentremaur Anthracite Coal, 12th June 1875.

SUMMARY OF TRIAL.

Time.	Steam		Vacuum.	Temperatures of		Water Evaporated.		Revolutions per			Mean Pressure.		Indicated Horse-power.		Total Indicated Horse-power.	
	Boilers.	Engines.		Steam at Engines.	Feed Water.	Total by Meter.	Per Hour.	Counter (Total).	Hour.	Minute.	High-pressure Cylinder.	Low-pressure Cylinder.	High-pressure Cylinder.	Low-pressure Cylinder.		
9.0	65	64	23.50	308	146	Galls. 170	Galls. 170	5,460	5,460	91.00	24.2	10.3	33.963	40.153	74.116	Average.
10.0	71	70	25.00	308	148	351	181	10,334	5,474	91.23	26.2	8.5	36.863	33.220	70.083	—
11.0	70	70	25.00	318	144	544	193	16,413	5,479	91.32	25.3	9.4	35.632	36.774	72.406	—
12.0	69	68	24.50	297	148	654	110	21,963	5,550	92.50	20.1	7.05	28.674	27.937	56.611	—
1.0	71	70	24.50	320	152	904	250	27,213	5,250	87.50	38.6	11.1	52.089	41.608	93.697	—
2.0	67	67	22.00	324	146	1,101	197	32,704	5,491	91.52	44.3	12.2	62.527	47.833	110.360	Maximum.
Mean	68.8	68.2	24.08	312.5	147.3	—	183.5	—	5,450.7	90.84	29.78	9.76	41.624	37.921	79.545	—

10½ cwt. = 1,176 lbs. of coal (Pentremaur) consumed in six hours = 196 lbs. per hour.
= 9.04 lbs. per square foot of fire-grate per hour.
= 2.46 lbs. per indicated horse-power per hour.

Total water evaporated during trial = 1,101 gallons = 9.36 lbs. of water evaporated by 1 lb. of coal.

30 HORSE-POWER ENGINE, "SOUTH SAW MILLS."

SIX HOURS' TRIAL with Pentremaur Anthracite Coal, 17th June 1875.

SUMMARY OF TRIAL.

Time.	Steam at Boiler.	Vacuum.	Temperature of Feed Water.	Water condensed in Steam Jacket.	Revolutions of Engine			Mean Pressure.	Indicated Horse-power.	—
					TOTAL.	Per Hour.	Per Minute.			
9.15	55	26.0	80	Pints. - -	2,520	2,520	42.00	18.6	69.722	—
10.15	57	25.5	74	21	5,049	2,529	42.15	19.5	73.357	—
11.15	60	25.0	84	16	7,559	2,510	41.83	21.5	80.266	—
12.15	54	27.6	76	12	10,087	2,528	42.13	3.5	13.160	—
1.15	56	26.25	84	13	12,608	2,521	42.02	10.7	40.128	—
2.15	56	25.0	90	16	15,124	2,516	41.93	19.4	72.600	—
Mean	56.3	25.87	81.3	15.6	- -	2,520.6	42.01	15.53	58.205	—

8.54 lbs. of coal (Pentremaur) consumed in six hours = 142,333 lbs. per hour.
= 6.57 lbs. per square foot of fire-grate per hour.
= 2.44 lbs. per indicated horse-power per hour.

Water from steam jacket = 9 gallons 6 pints in five hours = 15½ pints per hour.

Pentremaur,
Capel Ifan, and
Annesley Coal.

30-HORSE-POWER ENGINE, "SOUTH SAW MILLS."

SIX HOURS' TRIAL of Pentremaur Coal with Steam Jacket, 27th July 1875.

SUMMARY OF TRIAL.

—	Time.	Steam.	Vacuum.	Tempera- ture of Feed Water.	Water from Steam Jacket.	Power Meter.			—
						Foot Lbs. per Circular Inch of Piston.		Indicated Horse- power.	
						TOTAL.	Per Hour.		
From Feed-water Heater.	9.0	56	27	117	Lbs. 37.5	107.200	107.200	33.838	—
	10.0	51	27	96	40.0	236.200	129.000	40.719	—
	11.0	58	27	99	41.25	368.400	132.200	41.729	—
	12.0	50	27	90	33.75	460.300	91.900	29.008	—
	1.0	55	27	102	31.25	505.240	44.940	14.185	—
	2.0	57	27	107	32.5	593.200	87.960	27.764	—
Mean - -		54.5	27	101.8	36.04	- -	98.867	31.207	—

990 lbs. of coal (Pentremaur) consumed in 6 hours = 165 lbs. per hour.

= 7.61 lbs. per square foot of fire-grate per hour.

= 5.29 lbs. per indicated horse-power per hour.

Total water from steam jacket = 21 gallons, 5 pints = 216.25 lbs. = 36.04 lbs. per hour.

30-HORSE-POWER ENGINE, "No. 4 SLIP" (1 CYLINDER of 60 HORSE-POWER ENGINE).

Pentremaur, Capel Ifan, and Annesley Coal.

SIX HOURS' TRIAL with Pentremaur Coal, 16th September 1875.

SUMMARY OF TRIAL.

Time.	Steam (Boiler).	Vacuum.	Tempera- ture of Feed Water.	Revolutions of Engine.			Mean Pressure.	Indicated Horse- power.	—
				TOTAL.	Per Hour.	Per Minute.			
9.0	51.5	25.5	61	5,994	5,994	99.90	13.0	19.782	Average.
10.0	49	25.75	61	12,161	6,167	102.78	12.7	19.882	—
11.0	48	25.5	61	18,219	6,058	100.97	14.6	22.454	—
12.0	46.5	25.75	61	24,208	5,989	99.82	11.5	17.485	—
1.0	48	24.5	61	30,193	5,985	99.75	10.0	15.194	—
2.0	47	25.5	61	36,438	6,245	104.08	15.0	23.780	Maximum.
Mean	48.3	25.42	61	- -	6,073	101.22	12.8	19.763	—

625 lbs. of coal (Pentremaur) consumed in 6 hours = 104.167 lbs. per hour.
= 12.01 lbs. per square foot of fire-grate per hour.
= 5.27 lbs. per indicated horse-power per hour.

30-HORSE-POWER ENGINE, "IRON SHIP BUILDING" SHOP.

SIX HOURS' TRIAL with Pentremaur Coal, 19th October 1875.

SUMMARY OF TRIAL.

Time.	Steam		Vacuum.	Tempera- ture of Feed Water.	Revolutions of Engine			Mean Pressure.	Indicated Horse- power.	—
	Boilers.	Engine.			TOTAL.	Per Hour.	Per Minute.			
9.0	37	35	26	67	2,146	2,146	35.77	9.07	48.646	Average.
10.0	38	36	26	57	4,177	2,031	33.85	9.15	46.442	—
11.0	37	35	26	57	6,276	2,099	34.98	10.10	52.973	Maximum.
12.0	36	34	26	57	8,311	2,035	33.92	9.30	47.299	—
1.0	38	36	26	57	10,380	2,069	34.48	8.80	45.495	—
2.0	37	35	26	57	12,392	2,012	33.53	9.80	49.269	—
Mean	37.2	35.2	26	57	- -	2,065	34.42	9.37	48.354	—

1,488 lbs. of coal (Pentremaur) consumed in 6 hours = 248 lbs. per hour.
= 9.23 lbs. per square foot of fire-grate per hour.
= 5.13 lbs. per indicated horse-power per hour.

Pumpquort
Anthracite Coal.

ANTHRACITE COAL.

COMPARATIVE TRIALS.

(N. S. 3344—74.)

Her Majesty's Dockyard, Portsmouth,
(Master Shipwright and Engineer's Department),
3 July 1874.

Sir,

WE have the honour to report the first trial of this coal took place on the 15th May, at our coal testing boiler, on cast-iron fire-bars made according to the drawings supplied us by your Memorandum.

These bars were so made that two were in one casting, each bar being about three-quarters of an inch wide, and having an air space between it and its neighbour of five-eighths of an inch.

The results of this and the following trials, at coal-testing boiler, are forwarded herewith. It will be seen on reference to the column of cinders reburnt, in the list mentioned, that a very large quantity of cinders was made in consequence of the coal decrepitating and falling through the bars. The second trial, on the 16th May, was made with thicker fires, with a view of reducing the quantity of cinders; but it will be seen this was still very high if we compare it with the trial of Powell's Duffryn made on the 26th May; although the pounds of water evaporated per pound of fuel, and the pound of water evaporated per square foot of fire-grate, or, in other words, the economic value of the fuel, and its speed of evaporation, were considerably increased. It being considered that the spaces between the bars were too wide, each pair of bars was taken out, and the lugs on the outside planed down, so that when the bars were replaced in the furnaces the air spaces were alternately three-eighths of an inch and five-eighths of an inch wide. The trial, with the altered bars, took place on the 20th May, and the result was a reduction of 25 per cent. in the amount of cinders reburnt, with a slight increase in the economic value of the fuel, and its speed of evaporation as compared with the previous one. The next trial, on the 22nd May, was made with the ordinary wrought-iron fire-bars, $1\frac{1}{4}$ -inch wide, and $\frac{1}{2}$ -inch air spaces, to determine if the coal could be burnt on them as well as the cast-iron bars; the result was a slight increase in the economic value of the fuel, and a considerable one in its speed of evaporation; the amount of cinders reburnt was, however, increased; and to lessen this, a trial was made, on 25th May, with the air spaces reduced to $\frac{7}{16}$ ths of an inch, and this brought down the cinders reburnt by 50 per cent., as compared with the $\frac{1}{2}$ -inch spaces, while the economic value of the fuel, and its speed of evaporating, remained the same, practically.

The next three trials were made for the purposes of comparison with samples of Powell's Duffryn, Nixon's Navigation, and Cowpen Hartley, all with ordinary wrought-iron bars $1\frac{1}{4}$ -inch wide and $\frac{1}{2}$ -inch air spaces; and also with the object of determining the values of the Powell's Duffryn and Cowpen Hartley, which were afterwards used alone and mixed with the Anthracite. These trials took place respectively on the 26th, 28th, and 29th May. On the 6th June a trial was made with Powell's Duffryn, on the cast-iron fire-bars with air spaces five-eighths of an inch and three-eighths of an inch wide; the result, as compared with the trial of the same coal, on wrought-iron bars, of 26th May, was a very slight increase in the economic value of the fuel, a reduction of nearly 6 per cent. in speed of evaporation, and an increase in the amount of cinders reburnt.

Comparing the trial of the Cowpen Hartley, on wrought-iron bars, of 29th May, with two cargo trials made of the same coal respectively on the 12th and 13th idem, on cast-iron bars, five-eighths of an inch spaces, it will be observed the results of these trials are practically the same, the difference being in favour of the wrought-iron bars. From the above results, with Powell's Duffryn and Cowpen Hartley, it was not considered necessary to make a trial of two-thirds Powell's Duffryn and one-third Cowpen Hartley on wrought-iron bars, for absolute comparison with the trial made of this mixture on the 8th June. The trial of the 1st June, made with two-thirds Pumpquort and one-third Cowpen Hartley, on wrought-iron bars $1\frac{1}{4}$ inches thick and $\frac{1}{2}$ -inch spaces, if compared with the trial of two-thirds Powell's Duffryn and one-third Cowpen Hartley, of 8th June, it will be seen that the introduction of the Cowpen Hartley with the Anthracite does not reduce the economic value of the fuel quite to the same extent as does the mixture of the former with Powell's Duffryn; the result being an increase of about 3 per cent. in the economic value, and a decrease of about 8 per cent. in the speed of evaporation of the fuel used on the 1st, as compared with that used on 8th June; the amount of ashes being rather large, a trial was made of the same mixture (two-thirds Pumpquort and one-third Cowpen Hartley) on the 2nd June, with seven-sixteenths of an

Pumpquort
Anthracite Coal.

an inch air spaces, the result being a very slight increase in the value of the fuel, with a considerable reduction in the amount of cinders reburnt. It was next thought desirable, by Mr. Thompson's representative, to try the effect of burning the Anthracite, mixed with Powell's Duffryn, and a trial was made on the 3rd June, with a mixture of two-thirds Pumpquort and one-third Powell's Duffryn; the result being, as compared with the trials of 22nd and 25th May, of Pumpquort alone, a considerable increase in the speed of evaporation of the fuel, and less cinders reburnt, and comparing it with the trial of Powell's Duffryn of 26th May, it will be seen that the economic value of the fuel is somewhat increased, while the speed of evaporation is within 10 per cent.; and comparing this trial again with the two previous of the mixture of Cowpen Hartley with the Pumpquort, it will be seen that the economic value of the fuel is increased, and its speed of evaporation nearly equal. It would thus appear that the mixture of Powell's Duffryn with the Anthracite, acts very favourably on the latter in increasing its speed of evaporation. To confirm this a trial was made, 24th June, with a mixture of one-third Powell's Duffryn with two-thirds Pentremaur (a coal much resembling Anthracite in its smokeless character and slow-burning qualities), and comparing this with the trial on Pentremaur, on 30th December last, it will be seen the speed of evaporation is considerably increased. To ascertain the value of Powell's Duffryn and Anthracite, mixed in equal proportions, a trial was made on 25th June, and the result obtained, in comparison with the trial of Powell's Duffryn on 26th May, shows a slight increase in the economic value of the fuel, while the speed of evaporation is about 4 per cent. less. The following Table, in which the Powell's Duffryn, tried 26th May, is taken as the standard, and the results of most of the other trials calculated as per-centages of its results, may be useful for more ready comparison. From this Table it would appear that the results obtained by burning Anthracite on the wrought-iron bars are better than those obtained by burning it on cast-iron bars; and, therefore, there would appear to be no necessity for a change in the kind of fire-bars used, except as hereafter stated, when burning Anthracite in boilers fitted for burning the ordinary kinds of coal, but simply to make the air spaces between the fire-bars a little less than usual.

Again, if we take the column of pounds of water evaporated per square foot of fire-grate per hour, to represent the power of our coal-testing boiler with the same area of fire-grate, and when burning different kinds of coal, and the column of pounds of water evaporated per pound of fuel to represent inversely the cost at which this power is obtained, and taking Powell's Duffryn as the standard, we see by the trial of Anthracite, of 25th May, that this latter could be burnt in a given boiler, with a loss of power of about 20 per cent., while the cost would be about 3 per cent. less; the cinders reburnt being double of that produced by Powell's Duffryn, while the amount of refuse (clinker and ash) is only two-fifths that made by the last named. Taking the trial of the 2nd June, the mixture of two-thirds Pumpquort and one-third Cowpen Hartley, and comparing it with Powell's Duffryn, it would appear the power is only reduced 7 per cent., and the cost increased 2 per cent.; while the cinders reburnt, and total refuse, are respectively nearly double and one-half that of the standard. In the trial of 3rd June of two-third Pumpquort and one-third Powell's Duffryn, the power is about 9 per cent. less, and the cost 3 per cent. less, than the standard, while the cinders reburnt and total refuse remain nearly the same as in the previous trial. In the trial of 25th June of half Powell's Duffryn and half Pumpquort, the power is within 4 per cent. of the standard, and the cost about the same, while the cinders reburnt are nearly double, and the total refuse three-fourths.

TABLE.

Date.	Coal.	Lbs. of Water Evaporated per Lb. of Fuel.	Lbs. of Water per Square Foot of Grate per Hour.	Lbs. of Coal Burnt per Hour per Square Foot of Grate.	Total Clinker and Ash.	Cinders Reburnt.	REMARKS.
26 May -	Powell's Duffryn -	100.00	100.00	100.00	100.00	100.00	Wrought-iron bars $\frac{1}{2}$ -inch space.
28 " -	Nixon's Navigation -	101.27	105.17	103.02	92.10	133.33	- ditto - ditto.
29 " -	Cowpen Hartley -	83.47	104.51	122.35	95.09	93.33	- ditto - ditto.
6 June -	Powell's Duffryn -	100.42	94.14	93.84	91.05	116.66	Cast-iron bars $\frac{3}{8}$ and $\frac{5}{8}$ -inch space.
12 & 13 May means -	Cowpen Hartley -	83.31	101.03	114.19	95.09	103.33	Cast-iron bars $\frac{5}{8}$ -inch space.
8 June -	$\frac{2}{3}$ Powell's Duffryn - $\frac{1}{3}$ Cowpen Hartley -	94.07	100.07	102.24	91.40	116.66	Cast-iron bars $\frac{3}{8}$ and $\frac{5}{8}$ -inch space.
16 May -	Pumpquort -	98.83	70.99	77.85	41.75	440.00	Cast-iron bars $\frac{5}{8}$ -inch space.
20 " -	Ditto -	100.21	72.50	77.40	44.56	330.00	Cast-iron bars $\frac{3}{8}$ and $\frac{5}{8}$ -inch space.
22 " -	Ditto -	102.01	80.74	88.41	40.17	406.66	Wrought-iron bars $\frac{1}{2}$ -inch space.
25 " -	Ditto -	102.75	79.26	77.00	38.77	206.66	Wrought-iron bars $\frac{1}{16}$ -inch space.
2 June -	$\frac{2}{3}$ Pumpquort - $\frac{1}{3}$ Cowpen Hartley -	98.19	93.47	93.84	53.68	186.66	- ditto - ditto.
3 " -	$\frac{2}{3}$ Pumpquort - $\frac{1}{3}$ Powell's Duffryn -	102.96	90.88	89.00	50.52	193.33	- ditto - ditto.
25 " -	$\frac{1}{2}$ Pumpquort - $\frac{1}{2}$ Powell's Duffryn -	101.27	96.31	95.14	74.56	199.00	Wrought-iron bars $\frac{1}{2}$ -inch space.

Pumpquort
Anthracite Coal.

It would appear from this that Anthracite might be used with advantage, mixed either with Powell's Duffryn, and producing a smokeless fuel, or mixed with Cowpen Hartley; in the latter case, the smoke would be about the same as made by the mixture of Powell's Duffryn and Cowpen Hartley; but it does not appear that it could be used alone, if nearly the full power of the boiler in which it is burnt is required, although, at slow speeds it might prove economical. In regard to the question of fire-bars, we are informed the Americans use a very hard white iron in their manufacture, which is scarcely affected by the heat of an ordinary furnace; and if this iron were used, and the bars made two in one casting, each bar having a section similar to our ordinary wrought-iron bars, the advantage of a level fire-grate would be obtained; but of this particular iron we have no experience, and therefore can give no opinion on its merits.

In comparing the results obtained in the coal-testing boiler, with those obtained in "Grinder" (*vide* joint Report of Captain of Steam Reserve and Master Shipwright and Engineer) while burning Anthracite and Anthracite mixed with Powell's Duffryn, it will be seen that the former are proportionately higher than the latter, although, while burning Anthracite mixed with Cowpen Hartley, the reverse is the case; these differences we believe to be due to the more powerful draught at the coal-testing boiler compared with that of the "Grinder."

Distance of top of funnel above fire-grate at coal-testing boiler - - 62 feet,

Distance of top of funnel above fire-grate on board "Grinder" - - 38½ feet,

the increased draught giving more favourable results to the slow-burning than to the quick-burning fuels.

We have, &c.

W. B. Robinson,

Master Shipwright and Engineer.

Wm. Hy. Steil,

Engineer Assistant.

The Admiral Superintendent.

Forwarded,

F. L. M^cClintock,

Admiral Superintendent.

7 July 1874.

TRIALS of Anthracite and other Coals.

Date of Trial.	Coals used in Trial.	DESCRIPTION OF COALS.	Number of Lbs. of Water Evaporated by One Lb. of Coal, calculated from the Temperature of 100°.	Number of Lbs. of Water Evaporated per Square Foot of Fire-grate per Hour, from the Temperature of 100°.	Per-centage of Clinker and Ash.		Smoke Numbers.			Number of Coal Burnt per Square Foot of Fire-grate per Hour.	Deposit of Soot.	Cinders Re-burnt.	Temperature in Funnel.	Draught in Funnel.	REMARKS.
					Clinker.	Ash.	TOTAL.	Maxim.	Average.	Per-centage of Time of no Smoke.					
15 May 1874	10½	Pumpquort Coal (from Pumpquort Colliery).	9.05	141.60	.59	1.70	2.29	-	No smoke	-	15.87	5 (besides a quantity not weighed).	446	1 in.	Length of fire-bars, 4 feet. Cast-iron fire-bars used with ¾-inch bars, ⅝-inch spaces. Thin fire. Area over bridge, 170 square inches.
16 May "	10½	- ditto	9.33	160.45	.85	1.53	2.38	-	ditto	-	19.09	132	504	1 in.	Length of fire-bars, 4 feet. Cast-iron fire-bars used with ¾-inch bars, ⅝-inch spaces. Thick fire.
20 May "	10½	- ditto	9.46	163.85	.93	1.61	2.54	-	ditto	-	18.98	39	593	1 in.	Length of fire-bars, 4 feet. Bars ¾-inch thick, and spaces ⅝ and ⅜ inch alternately.
22 May "	10½	- ditto	9.63	132.49	.59	1.70	2.29	-	ditto	-	21.68	122	637	1 in.	Length of fire-bars, 4 feet. Ordinary wrought-iron bars 1½ inches thick, and ⅜-inch spaces.
25 May "	10½	- ditto	9.70	179.14	.68	1.53	2.21	-	ditto	-	18.88	62	634	1 in.	Length of fire-bars, 4 feet. Ordinary wrought-iron bars 1½ inches thick, and ⅜-inch spaces.
26 May "	10½	Powell's Duffryn	9.44	226.00	.47	2.23	5.70	-	ditto	-	24.52	30	800	13 in.	Length of fire-bars, 4 feet. Ordinary wrought-iron bars 1½ inches thick, and ⅜-inch spaces.
28 May "	10½	Nixon's Steam Navigation	9.56	237.69	1.70	2.55	4.25	-	ditto	-	25.26	40	792	1 in.	ditto
29 May "	10½	Cowpen Cambois Hartley	7.38	236.19	2.12	2.30	4.42	-	Dark brown	-	30.00	23	832	1 in.	ditto
1 June "	10½	½ Pumpquort Coal - ½ Cowpen Cambois Hartley	9.22	209.27	1.27	1.70	2.97	2	.54	52.27	23.66	80	712	1 in.	ditto
2 June "	10½	- ditto	9.27	211.26	1.19	1.87	3.06	2	.67	37.5	23.01	56	730	1 in.	Length of fire-bars, 4 feet. Common wrought-iron bars, ⅞-inch spaces.
3 June "	10½	½ Pumpquort Coal - ½ Powell's Duffryn	9.72	205.40	.93	1.95	2.88	-	No smoke	-	21.82	58	720	1 in.	ditto

TRIALS of Anthracite and other Coals—continued.

Date of Trial.	Coals used in Trial.	DESCRIPTION OF COALS.	Number of Lbs. of Water Evaporated by One Lb. of Coal, calculated from the Temperature of 100°.	Number of Lbs. of Water Evaporated per Square Foot of Fire-grate per Hour, calculated from the Temperature of 100°.	Per centage of Clinker and Ash.			Smoke Numbers.			Number of Lbs. of Coal Burnt per Square Foot of Fire-grate per Hour.	Deposit of Soot.	Cinders Re-burnt.	Temperature in Funnel.	Draught in Funnel.	REMARKS.
					Clinker.	Ash.	TOTAL.	Maxim.	Average.	Percentage of Smoke.						
6 June 1874	10½ Cuts.	Powell's Duffryn - -	9.48	215.77	2.04	3.15	5.19	-	No smoke	-	23.01	9	36	744	¾ Inch.	Length of fire-bars, 4 feet. Cast-iron fire-bars, bars ¾-inch thick, spaces ½ and ¾ inch alternately.
8 June "	10½	{ ¾ Powell's Duffryn - ¾ Cowpen Cambois Hartley	8.94	226.16	2.47	2.64	5.11	-	Very light	-	25.07	9	35	807	¾	- ditto - - ditto.
24 June "	10½	{ ¾ Pentremaur Coal - ¾ Powell's Duffryn -	9.43	150.31	1.27	2.12	3.39	-	No smoke	-	21.54	8	65	-	¾	Length of fire-bars, 4 feet. Common wrought-iron fire-bars, ½ inch apart.
25 June "	10½	{ ¾ Pumpquort Coal - ¾ Powell's Duffryn -	9.50	217.67	1.78	2.47	4.25	-	ditto	-	23.33	8	57	-	¾	- ditto - - ditto.
10 June "	10½	Powell's Duffryn (as used in "Grinder").	9.58	229.08	1.78	2.81	4.59	-	ditto	-	24.70	9	37	722	¾	- ditto - - ditto.
11 June "	10½	Cowpen Cambois Hartley (as used in "Grinder").	7.66	236.41	2.47	2.80	4.77	-	Dark brown	-	30.27	8	34	787	¾	- ditto - - ditto.
12 May "	10½	Cowpen Cambois Hartley -	7.85	227.99	2.12	2.30	4.42	-	ditto	-	28.00	8	32	682	¾	Length of fire-bars, 4 feet. Cast-iron fire-bars, ¾-inch spaces.
13 May "	10½	- - ditto - -	7.88	232.54	1.95	2.47	4.42	-	ditto	-	28.00	8	30	695	¾	Length of fire-grate, 4 feet. Cast-iron fire-bars, ¾-inch spaces.
30 Dec. 1873	10½	Pentremaur Coal - -	9.18	160.03	.85	5.10	5.95	-	-	-	18.67	6	74	558	¾	Length of fire-grate, 4 feet. Ordinary wrought-iron fire-bars, ¾-inch spaces.

W. B. Robinson,
Master Shipwright and Engineer.Wm. Hy. Steel,
Engineer Assistant.Portsmouth Yard,
3 July 1874

(No. 3458—74.)

Pumpquort
Anthracite Coal.

ANTHRACITE COAL, TRIAL OF, IN "GRINDER."

(No. 1197.)

Her Majesty's Dockyard, Portsmouth,
10 July 1874.

Sir,

WITH reference to your Memorandum of the 3rd February, on Controller's letter of the 31st January last, N.S. $\frac{387}{824}$, we have the honour to forward herewith the results of trials made in Her Majesty's Tug "Grinder," with Anthracite coal:

The first trial, on the 8th June, was with the Pumpquort coal on cast-iron fire-bars, made according to the tracings sent for guidance; although, from the experience gained in the coal-testing boilers, it was understood that the amount of ash could be reduced by slightly closing the air spaces. The next three trials of 9th, 10th, and 11th were to determine,—

1st. The effect of the cast-iron as compared with the wrought-iron bars; and, 2nd, To institute a measure of comparison in the following Table:—

Date.	Coal.	Lbs. of Coal per Indicated Horse-power per Hour.	Indicated Horse-power.	Lbs. of Coal per Square Foot of Grate per Hour.	Per-centage of Ashes made Powell's Duffryn 100.	Per-centage of Ashes actually made.	REMARKS.
10 June	Powell's Duffryn	100·00	100·00	100·00	100·00	7·80	Wrought-iron bars, $\frac{1}{8}$ to $\frac{3}{4}$ -inch space.
9 "	- Ditto -	96·49	94·00	90·70	125·38	9·78	Cast-iron bars, $\frac{5}{8}$ -inch space.
8 "	- Pumpquort -	113·59	66·63	75·70	294·87	23·00	- ditto - ditto.
23 "	- Ditto -	103·56	67·06	69·43	121·80	9·47	Wrought bars, $\frac{7}{16}$ -inch, except one furnace cast bar.
11 "	$\left\{ \begin{array}{l} \frac{2}{3} \text{ Powell's Duffryn} \\ \frac{1}{3} \text{ Cowpen Hartley} \end{array} \right\}$	109·50	104·49	114·41	115·12	8·98	Same as 10th.
22 "	$\left\{ \begin{array}{l} \frac{2}{3} \text{ Pumpquort} \\ \frac{1}{3} \text{ Cowpen Hartley} \end{array} \right\}$	105·45	100·52	106·00	64	4·99	Same as 23rd.
24 "	$\left\{ \begin{array}{l} \frac{2}{3} \text{ Pumpquort} \\ \frac{1}{3} \text{ Powell's Duffryn} \end{array} \right\}$	106·74	83·35	88·98	98·28	7·66	Wrought-iron bars, $\frac{1}{2}$ -inch space, except one furnace. Cast-iron bars, $\frac{5}{8}$ -inch space.

which will enable a more ready comparison.

Powell's Duffryn is assumed to be the standard, and the results of its trial under the different headings placed at 100, the other trials being reduced proportionately. On the trials of the 9th and 10th, with the cast-iron fire-bars, about $3\frac{1}{2}$ per cent. less fuel per indicated horse-power was used, and 6 per cent. less power produced than when using wrought-iron bars; but this loss of power and speed of burning was doubtlessly due to the difference in the force of wind, viz., ·96 and 3·83, and consequent draught in the stokehole. Comparing results of the trial of Pumpquort on the 8th, with the standard, the indicated horse-power developed was 33 per cent. less consumption per indicated horse-power, $13\frac{1}{2}$ per cent. greater, and amount of ash nearly trebled. This large amount of ash (or rather small coal) owing to decrepitation of coal in the furnace, was chiefly due to the large spaces between the fire-bars; and this caused, to a considerable extent, the increased expenditure per indicated horse-power per hour; as, on referring to the trial of the 23rd with the same coal, but air spaces lessened to seven-sixteenths of an inch, the ash and consumption of coal per indicated horse-power were considerably reduced, the indicated horse-power remaining nearly the same as on the 8th. Some difficulty was experienced on the first trial in weighing the coals, the stokehole being inconvenient for that purpose, thus taking a portion of the stokers' attention from their fires; on all the succeeding trials this was remedied by having the coals weighed on deck. The steam, in the trials of the 8th and 23rd, in no case reached so high a point as on the 10th, and it was lower on the 23rd than on the 8th; this was due to the air space of seven-sixteenths of an inch being too small for the draught of the "Grinder," where the height of the funnel above fire-grate is only $38\frac{1}{2}$ feet, although it did very well at the coal-testing boiler, the height there being 62 feet. Comparing the trial of two-thirds Pumpquort and one-third

Pumpquort
Anthracite Coal.

one-third Cowpen Hartley on the 22nd, with the standard, the indicated horse-power produced is practically the same; the speed of burning and consumption per indicated horse-power being respectively 6 and $5\frac{1}{2}$ per cent. greater. Comparing it with the trial of two-thirds Powell's Duffryn and one-third Cowpen Hartley on the 11th, the indicated horse-power, speed of burning, and consumption per indicated horse-power are respectively 4, 8, and 4 per cent. less, the ashes made being much less than on the 8th or 11th. This was due to the decreased air space; better results in regard to horse-power and speed of burning would have followed with a space of half-inch instead of seven-sixteenth of an inch; for, on this trial and the succeeding ones, a furnace was fitted with cast-iron bars having only seven-sixteenths of an inch air space; and it was noticed that the combustion in this was not so active as in the others with the wrought-iron bars, which latter were set to have seven-sixteenths of an inch spaces as nearly as possible; but owing to some of the bars being slightly bent and warped, this space was in some cases five-eighths of an inch. It will be observed that the amount of smoke was considerably greater on those trials where North Country coal was introduced.

On the 24th, the "Grinder" being required for harbour service, the trial did not take place so early as on the preceding days, but although the vessel had had a few hours' work, it was considered desirable to complete the experiments on this day, as the weather showed signs of breaking up; the fires previous to the trial were well raked through and replenished with the coal to be tried, viz., a mixture of two-thirds Pumpquort and one-third Powell's Duffryn. Comparing this trial with the standard, the indicated horse-power and speed of burning were 17 and 11 per cent. less, and consumption of fuel per indicated horse-power nearly 7 per cent. higher.

Comparing it with the trial of two-thirds Pumpquort and one-third Cowpen Hartley, the indicated horse-power and speed of burning are both 17 per cent. less; the consumption of fuel per indicated horse-power per hour is about the same, while the ashes made are about 50 per cent. greater than on the trial of the 22nd, and nearly the same as the standard. The draught in the stokehole on this trial was very good, greater than on any previous one, the air spaces in five furnaces had been increased to half an inch, and the remaining one was fitted with the cast-iron bars, as originally made, with five-eighths spaces. The mixture of the two Welsh coals was almost smokeless. It should further be remarked that the Anthracite used was the best of its kind, well handpicked, and large.

From the results of the above trials, we are, therefore, of opinion,—1st, "As to the Cast-iron Fire-bars":—

There appears to be no advantage gained in power or economy by their use as at present made. It was also noticed that some of these bars had become fused in their upper surfaces, and this would, in the case of clinker forming, greatly increase the labour of keeping the fires and air spaces clean and clear.

Mr. Messimer, Mr. Thompson's representative, states that in America, where these bars are used for burning Anthracite, they are made of a very hard white iron which is scarcely affected by the fire, and, probably, if cast-iron bars were made of such iron, having a cross section similar to our wrought bars, and cast in pairs so that they are not easily put out of level when laid on the bearing bars, no more difficulty would be experienced with the cleaning of fires than is the case with the wrought bar; while the advantage would be of having a nearly level fire-grate, a thing which can seldom be obtained with the ordinary wrought bars after being in use; as the thick ends of these bars often get wedged together on the bearing bars, and the centre parts, consequently, warped and bent; or, if not placed with their ends close together, they, having a comparatively small base resting on the bearing bars, are easily put out of the vertical, the upper edges often falling alternately to and from each other.

It appears, then, from these trials that half-inch air spaces are the best for burning Anthracite alone, or when mixed with other coals; increasing the space to five-eighths of an inch would improve the combustion, but add to per-centage of ash.

"As to the use of Anthracite in the Navy, in war time, or on stations where it could be easily procured."

In war time, and in such cases where slow speed and absolute smokelessness are necessary, the Anthracite alone might be used, although the latter requirement could be obtained at slow speeds, by the use of two-thirds Pumpquort and one-third Powell's Duffryn, with the additional advantage of a more ready command of steam. For greater speeds, mixtures of two-thirds Pumpquort and one-third Powell's Duffryn, or one-half Pumpquort, and one-half Powell's Duffryn, while, for the extreme power, Powell's Duffryn alone, or one-third Cowpen Hartley mixed with two-thirds of Powell's Duffryn or Pumpquort, would appear, from these trials, to be the best; but, to the use of Cowpen Hartley, there is the objection of the heating surfaces becoming sooner fouled, power decreased, and a much larger amount of smoke. For war purposes, where no smoke would be a desideratum, a ship might have one-half of her bunkers filled with Powell's Duffryn, and the other with Pumpquort; so that the two coals might be used in any proportion suitable to the service upon which she was engaged.

"Its

“ Its use on stations where it could be readily or advantageously procured.”

For general purposes, we would not recommend the use of Anthracite alone, unless a larger proportion of fire-grate surface was given to our boilers, or they were constructed on the American pattern, viz., with wider furnaces. We are informed by Mr. Messimer that the experience of the Americans in burning Anthracite is, that a large area of fire-grate is required, together with very wide furnaces of about four feet, so that a large body of the fuel may be burnt in each furnace; the combustion of Anthracite being much checked by the too frequent introduction of water spaces; or, in other words, by narrow furnaces.

We are of opinion that, for general service, and when they could be advantageously obtained, either of the following mixtures would suffice:—

1. Pumpquort, two-thirds; Cowpen Hartley, one-third;
2. Pumpquort, one-third; Cowpen Hartley, one-third; Powell's Duffryn, one-third;
3. Pumpquort, one-half; Powell's Duffryn, one-half;
4. Pumpquort, two-thirds; Powell's Duffryn, one-third;

preference being given in the order named.

In the above remarks the word “ Pumpquort ” should be taken to represent any good Anthracite coal; Powell's Duffryn, any semi-bituminous; and Cowpen Hartley, any bituminous fuel of good quality.

* * * * *

We have, &c.

Chas. L. Waddilove,
Captain Steam Reserve.

O. N. Brooker,
Chief Engineer,
For Inspector of Machinery Afloat (on duty).

W. B. Robinson,
Master Shipwright and Engineer.

Wm. Hy. Steil,
Engineer's Assistant.

HER MAJESTY'S SHIP "GRINDER."
RESULTS of Six Hours' Trial with Powell's Duffryn.
9th June 1874.

Half Hours.	Observed Time.	Wind.		Pressure of Steam.		Vacuum in Condensers.		Revolutions per Minute.		Indicated Horse Power.	Temperatures of		Smoke Numbers.	
		Force.	Direction. Actual. Relative to Vessel.	Boilers.	Engines.	Starboard.	Port.	Half Hour.	Minute.		Stoke-hole.	Deck.	Maximum. Average.	Time of no Smoke.
1	8.45	2	N.E. Port beam -	21.0	20.0	26.75	26.75	890	29.67	412.253	103	78	1	Mins. 26
2	9.15	1	E. Starboard beam -	19.0	19.0	26.75	26.75	880	29.33	381.870	105	70	0	30
3	9.45	1	N.E. Starboard beam -	19.0	17.5	26.75	26.75	880	29.33	392.737	109	68	0	30
4	10.15	1	S.E. Port beam -	19.0	19.0	26.75	26.75	870	29.00	388.020	111	68	0	30
5	10.45	1	S.E. Port beam -	20.0	19.0	26.75	26.75	870	29.00	380.259	108	68	1	29
6	11.15	1	E. Ahead -	20.0	19.5	26.75	26.75	872	29.07	368.312	108	70	1	15
Mean - -		1.17	- - -	19.67	19.00	26.75	26.75	877	29.233	387.242	107.83	70.33	.5	26.7
7	11.45	1	E. Ahead -	18.5	18.5	26.50	26.50	864	28.80	355.702	101	72	1	11
8	12.15	Calm	- - -	18.0	17.5	26.50	26.50	861	28.70	337.630	106	72	1	13
9	12.45	1	E. Ahead -	19.0	18.0	26.50	26.75	855	28.50	341.730	100	72	1	17
10	1.15	1 to 2	E. Starboard beam -	19.0	19.0	26.50	26.50	869	28.97	362.870	107	72	1	21
11	1.45	1	S.E. Port beam -	20.5	20.0	26.25	26.50	871	29.03	378.561	106	70	1	28
12	2.15	Calm	- - -	21.0	20.0	26.25	26.50	863	29.43	384.686	114	74	1	24
Mean - -		.75	- - -	19.33	18.83	26.41	26.54	867.16	28.905	360.196	105.66	72	1	19
Mean of Means -		.96	- - -	19.50	18.91	26.58	26.64	872.08	29.069	373.719	106.49	71.16	.75	22.8

Total Amount of coal consumed = 10,425 lbs. in six hours = 1,737.5 per hour = 1737.5 lbs. per square foot of grate per hour = 4,649 lbs. per indicated horse-power per hour.
Total Amount of ashes in six hours = 1,020 lbs.
Cast-iron fire-bars used, $\frac{3}{4}$ inch bars, $\frac{1}{2}$ inch spaces.
Average density of water in boilers = 17.75 starboard, 16 port.

W. B. Robinson,
Master Shipwright and Engineer.

Wm. Hy. Steel,
Engineer Assistant.

Chas. L. Waddilove,
Captain, Steam Reserve.

O. N. Brooker, Chief Engineer,
For Chief Inspector of Machinery Afloat (on duty).

HER MAJESTY'S SHIP "GRINDER."

RESULTS of Six Hours' Trial with Powell's Duffryn.

10th June 1874.

Half Hours.	Observed Time.	Wind.		Pressure of Steam.		Vacuum in Condensers.		Revolutions per		Mean Pressure.	Indicated Horse Power.	Temperatures of			Smoke Numbers.		
		Force.	Direction.	Boilers.	Engines.	Starboard.	Port.	Half Hour.	Minute.			Stoke-hole.	Deck.	Base of Funnel.	Maximum Average.	Time of no Smoke.	
																	Actual.
1	8.45	3	N.W.	Starboard beam	22.0	26.50	26.50	916	30.53	13.75	432.058	106	72	67.4.33	1	1.00	0
2	9.15	4	N.W.	Starboard quarter	22.5	26.50	26.50	907	30.23	13.78	428.746	108	76	728.83	1	1.00	0
3	9.45	4	N.W.	Starboard quarter	20.0	26.50	26.50	878	29.27	12.75	384.101	108	68	69.4.67	1	.70	9
4	10.15	4	N.W.	Ahead	21.0	26.25	26.25	879	29.30	12.95	390.326	99	68	716.83	1	.80	6
5	10.45	4 to 5	N.W.	Ahead	23.0	26.25	26.25	883	29.43	13.50	408.918	94	68	729.33	1	.60	12
6	11.15	4 to 5	N.W.	Ahead	20.5	26.25	26.25	884	29.46	12.86	389.930	94	66	678.33	1	.57	13
Mean		4	-	-	21.5	26.37	26.37	891.1	29.703	13.265	403.713	101.5	69.67	703.72	1	.78	6.67
7	11.45	4	N.W.	Port beam	22.0	26.25	26.25	884	29.47	13.07	396.431	99	68	697.17	1	.63	11
8	12.15	4 to 5	N.W.	Port beam	19.5	26.50	26.25	881	29.37	12.03	363.049	107	63	67.4.17	1	.60	12
9	12.45	4	N.W.	Port beam	23.0	26.25	26.25	892	29.73	13.15	402.377	102	68	700.83	2	1.13	3
10	1.15	4 to 5	N.W.	Aft	21.5	26.25	26.25	881	29.37	12.71	384.204	109	76	681.50	2	1.03	8
11	1.45	2 to 3	N.W.	Starboard beam	23.0	26.25	26.25	916	30.53	12.71	399.379	113	76	705.83	2	1.30	3
12	2.15	2 to 3	N.W.	Starboard beam	24.0	26.25	26.25	886	29.53	12.85	390.552	115	72	718.90	2	1.47	4
Mean		3.67	-	-	22.17	26.20	26.25	890	29.667	12.753	389.432	107.5	71.33	696.40	1.67	1.02	6.83
Mean of Means		3.83	-	-	21.83	26.33	26.31	890.55	29.685	13.009	397.572	104.5	70.50	700.06	1.33	.90	6.75

Total amount of coal consumed = 11,493 lbs. in six hours = 1915.5 lbs. per hour = 19.155 lbs. per square foot of firegrate per hour = 4.818 lbs. per indicated horse-power per hour.
Total amount of ashes in six hours = 896 lbs.
Common wrought iron fire-bars used, 1½ wide, ¾ to ¾ inch spaces.
Average density of water in boilers = 16.75 starboard, 17.75 port.

W. B. Robinson,
Master Shipwright and Engineer.
Chas. L. Waddilore,
Captain, Steam Reserve.
O. N. Brooker, Chief Engineer,
For Chief Inspector of Machinery Afloat (on duty).
Wm. Hy. Steel,
Engineer Assistant.

HER MAJESTY'S SHIP "GRINDER."
RESULTS of Six Hours' Trial with Two-thirds Powell's Duffryn, One-third Cowpen Campois Hartley.
11th June 1874.

Half Hours.	Observed Time.	Wind.		Pressure of Steam.		Vacuum in Condensers.		Revolutions per		Mean Pressure.	Indicated Horse Power.	Temperatures of			Smoke Numbers.				
				Boilers.	Engines.	Starboard.	Port.	Half Hour.	Minute.			Stoke-hole.	Deck.	Base of Funnel.	Maximum.	Average.	Time of no Smoke.		
		Force.	Direction.	Actual.	Relative to Vessel.													<i>Mins.</i>	
1	8.45	Calm	-	-	-	21.0	21.0	26.50	26.50	892	29.73	13.15	402.377	89	66	644.33	3	1.63	0
2	9.15	3 to 4	S.W.	Ahead	-	24.0	23.5	26.25	26.25	902	30.07	13.95	431.738	92	62	746.17	2	1.38	0
3	9.45	4	S.W.	Ahead	-	24.5	24.0	26.50	26.75	904	30.13	14.32	459.578	91	60	710.17	6	1.88	0
4	10.15	3	W.S.W.	Port bow	-	21.0	21.0	26.50	26.75	901	30.03	13.38	413.546	102	60	706.33	6	3.05	0
5	10.45	3 to 4	W.S.W.	Port bow	-	22.5	22.0	26.50	26.75	897	29.90	13.69	421.296	108	60	731.83	5	2.90	0
6	11.15	3	W.S.W.	Aft	-	22.0	21.5	26.50	26.50	890	29.67	13.16	401.870	108	62	723.00	5	3.73	0
Mean		2.83	-	-	-	22.5	22.17	26.46	26.58	897.67	29.922	13.032	421.734	100	61.67	710.30	4.5	2.43	0
7	11.45	4	W.S.W.	Aft	-	24.0	23.0	26.25	26.25	913	30.43	14.05	440.038	111	68	758.50	6	3.48	0
8	12.15	3	W.S.W.	Aft	-	24.0	23.0	26.25	26.25	906	30.20	14.10	438.267	113	70	796.17	5	3.00	0
9	12.45	4	W.S.W.	Starboard beam	-	23.5	23.0	26.25	26.25	933	30.10	13.72	439.164	114	68	773.67	4	2.70	0
10	1.15	4	W.S.W.	Starboard beam	-	21.0	20.5	26.25	26.25	862	28.73	12.76	377.310	111	68	748.33	4	2.62	0
11	1.45	4	W.S.W.	Starboard beam	-	21.0	20.5	26.25	26.25	873	29.10	13.06	391.154	111	66	772.17	3	1.53	4
12	2.15	5	W.S.W.	Port beam	-	21.0	20.5	26.25	26.25	858	28.60	12.52	368.538	113	66	765.00	3	1.17	6
Mean		4	-	-	-	22.42	21.75	26.25	26.25	890.83	29.693	13.368	409.078	112.17	67.67	768.97	4.17	2.42	1.67
Mean of Means		3.41	-	-	-	22.46	21.96	26.35	26.41	894.25	29.807	13.530	415.406	106.08	64.67	739.63	4.33	2.42	.83

Total amount of coal consumed = 13,150 lbs. in six hours = 2191.667 lbs. per hour = 21.916 lbs. per square-foot of fire-grate per hour = 5.276 lbs. per indicated horse-power per hour.
 Total amount of ashes in six hours = 1,181 lbs.
 Common wrought-iron fire-bars used, $\frac{3}{4}$ to $\frac{1}{2}$ inch apart.
 Average density of water in boilers = 18.37 starboard, 16.62 port.

Chas. L. Waddilone,
 Captain, Steam Reserve.

W. B. Robinson,
 Master Shipwright and Engineer.

O. N. Brooker, Chief Engineer,
 For Chief Inspector of Machinery Afloat (on duty).

Wm. Hy. Steel,
 Engineer Assistant.

Portsmouth Yard, 3 July 1874.

HER MAJESTY'S SHIP "GRINDER."

RESULTS of Six Hours' Trial with Two-thirds Pumpport Coal, One-third Cowpen Cambois Hartley.

22nd June 1874.

Half Hours.	Observed Time.	Wind.		Pressure of Steam.		Vacuum in Condensers.		Revolutions per Minute.		Mean Pressure.	Indicated Horse Power.	Temperatures of			Smoke Numbers.	
		Force.	Direction. Relative to Vessel.	Boilers.	Engines.	Starboard.	Port.	Half Hour.	Minute.			Stoke-hole.	Deck.	Base of Funnel.	Maximum. Average.	Time of no Smoke.
1	8.37	Calm	-	20.5	20.0	26.25	26.25	899	29.97	13.37	412.411	90	68	727.50	4	1.95
2	9.7	1	Ahead	20.5	20.0	26.25	26.25	895	29.83	13.27	407.415	97	62	715.17	3	2.40
3	9.37	2	Ahead	20.0	19.0	26.25	26.25	872	29.07	13.00	388.956	98	62	647.17	4	3.12
4	10.7	1 to 2	Port bow	20.0	19.5	26.25	26.25	865	28.83	12.83	380.701	100	62	615.00	4	2.60
5	10.37	2	Port beam	21.0	20.5	26.25	26.25	885	29.50	13.92	422.641	105	60	642.33	3	2.43
6	11.7	1 to 2	Port beam	19.5	19.5	26.50	26.50	887	29.56	13.27	403.726	107	62	638.33	3	1.98
Mean	-	1.33	-	20.25	19.75	26.29	26.29	883.83	29.46	13.277	402.642	101	62.67	664.25	3.5	2.41
7	11.37	2	Astern	19.5	19.0	26.50	26.50	888	29.60	12.92	393.610	111	64	605.00	5	3.08
8	12.7	1 to 2	Astern	20.0	19.5	26.50	26.50	890	29.67	13.41	409.505	115	62	638.17	3	2.32
9	12.37	2	Astern	21.0	20.5	26.50	26.50	893	29.77	13.50	413.642	112	68	669.83	3	2.38
10	1.7	1 to 2	Starboard beam	20.0	19.5	26.50	26.50	884	29.47	12.77	387.332	113	68	650.33	3	1.67
11	1.37	1 to 2	Starboard beam	20.5	20.0	26.50	26.50	869	28.97	13.16	392.389	111	68	659.83	2	1.32
12	2.7	3	Port beam	19.0	18.5	26.50	26.50	880	29.33	12.70	383.379	115	70	619.77	2	1.52
Mean	-	1.92	-	20.00	19.15	26.50	26.50	884	29.468	13.077	396.643	112.83	66.67	640.15	3	2.05
Mean of Means	-	1.62	-	20.12	19.62	26.39	26.39	883.91	29.464	13.177	399.642	106.91	64.67	652.20	3.25	2.23

Total amount of coal consumed = 12,183.2 lbs. in six hours = 2,030.533 lbs. per hour = 20.305 lbs. per square foot of firegrate per hour = 5.081 lbs. per indicated horse-power per hour.
Total amount of ashes in six hours = 608 lbs.
Five furnaces fitted with common wrought-iron fire-bars $\frac{7}{8}$ to $\frac{1}{2}$ -inch apart.
One furnace fitted with common iron fire-bars $\frac{1}{2}$ -inch apart.
Average density of water in boilers = 18.8 starboard, 18.87 port.

Portsmouth Yard, 3 July 1874.

Chas. L. Waddilove, Captain, Steam Reserve.
W. B. Robinson, Master Shipwright and Engineer.
O. N. Brooker, Chief Engineer,
Wm. Hy. Steel, Engineer Assistant,
for Chief Inspector of Machinery Afloat (on duty).

HER MAJESTY'S SHIP "GRINDER."
RESULTS of Six Hours' Trial with Pumpquort Coal.
23rd June 1874.

Half Hours.	Observed Time.	Wind.		Pressure of Steam.		Vacuum in Condensers.		Revolutions per		Mean Pressure.	Indicated Horse Power.	Temperatures of			Smoke Numbers.				
		Force.	Direction. Actual.	Boilers.	Engines.	Starboard.	Port.	Half Hour.	Minute.			Stoke-hole.	Deck.	Base of Funnel.	Maximum.	Average.	Time of no Smoke.		
																		Relative to Vessel.	
1	8.45	3 to 4	S.W.	-	-	15.0	14.5	26.50	26.50	817	27.23	11.10	311.088	96	62	556.33	1	.1	Mins. 27
2	9.15	4	S.W.	-	-	14.5	14.0	26.50	26.50	807	26.90	10.62	294.028	97	61	517.00	0	0	30
3	9.45	4	S.W. by S.	-	-	16.0	15.5	26.50	26.50	807	26.90	11.47	317.561	93	60	542.33	0	0	30
4	10.15	4 to 5	S.W. by S.	-	-	15.0	14.5	26.50	26.50	815	27.17	10.99	307.326	97	60	539.50	1	.03	29
5	10.45	3 to 4	S.W. by S.	-	-	12.0	11.5	26.50	26.50	780	26.00	9.87	264.121	90	60	504.83	0	0	30
6	11.15	3	S.W.	-	-	9.5	9.0	26.75	26.75	773	25.77	9.05	240.035	100	69	499.33	0	0	30
Mean	- - -	3.75	- - -	-	-	13.67	13.17	26.54	26.54	799.83	26.662	10.517	289.026	95.5	62	526.55	.33	.021	29.33
7	11.45	3	S.W.	Starboard quarter	-	5.0	4.5	26.75	26.75	738	24.43	7.60	191.095	101	68	473.00	0	0	30
8	12.15	2 to 3	S.W.	Starboard beam	-	7.5	7.0	26.75	26.75	738	24.60	8.21	207.869	105	70	518.83	1	.03	29
9	12.45	2 to 3	S.W.	Starboard quarter	-	13.0	12.5	26.75	26.75	769	25.63	10.10	206.429	107	66	547.50	0	0	30
10	1.15	3	S.W.	Starboard beam	-	13.0	12.5	26.75	26.75	793	26.43	10.30	280.185	104	66	562.67	0	0	30
11	1.45	2 to 3	S.W.	Port beam	-	11.5	11.0	26.75	26.75	801	26.70	10.26	281.949	108	64	529.33	0	0	30
12	2.15	2 to 3	S.W.	Port beam	-	10.0	9.5	26.75	26.75	749	24.96	9.25	237.628	106	69	520.83	0	0	30
Mean	- - -	2.67	- - -	-	-	10.0	9.5	26.75	26.75	763.83	25.458	9.287	244.192	105.17	67.17	525.36	.17	.005	29.83
Mean of Means	-	3.21	- - -	-	-	11.83	11.33	26.64	26.64	781.83	26.06	9.902	266.609	100.33	64.58	525.95	.25	0.13	29.58

Total amount of coal consumed = 7,980 lbs. in 6 hours = 1,330 lbs. per hour = 13.3 lbs. per square foot of firegrate per hour = 4.99 lbs. per indicated horse-power per hour.

Total amount of ashes in 6 hours = 756 lbs.

Five furnaces fitted with common wrought-iron fire-bars $\frac{7}{8}$ -inch to $\frac{1}{2}$ -inch apart.

One furnace fitted with common cast-iron fire-bars $\frac{7}{8}$ -inch to $\frac{1}{2}$ -inch apart.

Average density of water in boilers = 16.75 starboard, 16.87 port.

Chas. L. Waddilove,
Captain, Steam Reserve.

W. B. Robinson,
Master Shipwright and Engineer.

O. N. Brooker, Chief Engineer,
for Chief Inspector of Machinery Afloat (on duty).

Wm. Hy. Steel,
Engineer Assistant.

RESULTS of Six Hours' Trial with Two-thirds Pumpquort Coal, One-third Powell's Duffryn.

24th June 1874.

Half Hours.	Observed Time.	Wind.		Pressure of Steam.		Vacuum in Condensers.		Revolutions per		Mean Pressure.	Indicated Horse Power.	Temperatures of			Smoke Numbers.			
		Force.	Direction.	Boilers.	Engines.	Starboard.	Port.	Half Hour.	Minute.			Stokehole.	Deck.	Base of Funnel.	Maximum.	Average.	Time of no Smoke.	
																		Actual.
1	10.45	5 to 6	W.	Ahead	-	19.5	19.0	26.25	855	28.50	11.89	348.770	94	60	666.67	1	.13	Mins. 26
2	11.15	5 to 6	W.	Port beam	-	16.0	15.5	26.25	856	28.53	10.95	321.555	106	61	612.50	1	.03	29
3	11.45	5	W.	Port beam	-	16.5	16.0	26.25	847	28.23	10.95	318.154	109	62	584.83	1	.10	27
4	12.15	7	W.	Starboard beam	-	19.5	19.0	26.25	870	29.00	12.07	360.261	106	65	568.67	1	.03	29
5	12.45	5	W.	Starboard quarter	-	17.0	16.5	26.25	859	28.63	11.53	339.753	106	66	529.50	1	.20	24
6	1.15	5	W.S.W.	Port beam	-	19.0	18.5	26.25	855	28.50	12.18	357.276	105	60	547.00	0	0	30
Mean		-	-	-	-	17.91	17.41	26.25	857	28.565	11.595	340.958	104.83	62.33	584.03	.83	.08	27.5
7	1.45	5	W.S.W.	Port beam	-	16.5	16.0	26.25	838	27.93	11.08	318.510	109	65	546.17	0	0	30
8	2.15	5	W.S.W.	Starboard beam	-	17.5	17.0	26.25	837	27.90	11.11	319.029	108	63	552.00	0	0	30
9	2.45	4 to 5	W.S.W.	Starboard quarter	-	18.5	18.0	26.25	862	28.73	11.92	352.472	109	63	533.17	0	0	30
10	3.15	4 to 5	W.S.W.	Starboard quarter	-	16.0	15.5	26.25	828	27.60	11.05	313.894	109	62	512.33	1	.33	20
11	3.45	5	W.S.W.	Port beam	-	16.0	15.5	26.50	816	27.20	11.41	319.423	109	66	516.83	0	0	30
12	4.15	5	W.S.W.	Port beam	-	16.5	16.0	26.50	805	26.83	11.14	307.622	110	67	506.33	1	.26	22
Mean		4.83	-	-	-	16.83	16.33	26.33	831	27.698	11.285	321.825	109	64.33	527.80	.33	.10	27
Mean of Means		5.16	-	-	-	17.37	16.87	26.25	844	28.131	11.44	331.391	106.66	63.33	555.91	.58	.09	27.25

Total amount of coal consumed = 10,227 lbs. in six hours = 1,704.5 lbs. per hour = 17.045 lbs. per square foot of fire-grate per hour = 5.143 lbs. per indicated horse power per hour.
Total amount of ashes in six hours = 784 lbs.
Five furnaces fitted with ordinary wrought-iron fire-bars $\frac{1}{2}$ inch apart.
One furnace fitted with ordinary cast-iron fire-bars $\frac{1}{2}$ inch spaces.
Average density of water in boilers = 18.5 starboard, 18.5 port.

W. B. Robinson,
Master Shipwright and Engineer.
Wm. Hy. Steel,
Engineer Assistant.
Chas. L. Waddilove,
Captain, Steam Reserve.
O. N. Brooker, Chief Engineer,
For Chief Inspector of Machinery Afloat (on duty).

Portsmouth Yard, 3 July 1874.

HER MAJESTY'S SHIP "GRINDER."

SUMMARY of RESULTS of Six Hours' Trials

8th June to 24th June 1874.

Date of Trial.	Description of Coals.	Force of Wind.	Pressure of Steam in Boilers.	Vacuum.		Revolutions per		Mean Pressure in Cylinders.	Indicated Horse Power.	Total Ashes in Trial.	Consumption of Coal.				Temperature of			Smoke Numbers.			Density of Water.		REMARKS.
				Starboard.	Port.	Half-hour.	Minute.				Per Hour.	Per Square Foot of Firegrate per Hour.	Per Indicated Horse Power per Hour.	Stokehole.	Base of Funnel.	Deck.	Maximum.	Average.	Time of no Smoke.	Starboard Boiler.	Port Boiler.		
1874: 8 June -	Pumpquort coal -	2-33	13-08	26-71	26-71	787-33	26-243	9-763	264-917	Lbs. 1,999	Lbs. 8,700	Lbs. 1,450	Lbs. 5-473	101-51	526-08	67-16	0	0	360	18-62	18-37	Cast - iron fire-bar, $\frac{3}{4}$ -in. bars, $\frac{3}{8}$ -in. spaces.	
9 "	Powell's Duffryn -	9-6	19-50	26-58	26-64	872-08	29-060	12-486	373-719	1,020	10,425	1,737-5	17-375	106-49	639-91	71-16	1	23	274	17-75	16-00	- ditto - ditto.	
10 "	Powell's Duffryn -	3-83	21-83	26-33	26-31	890-55	29-685	13-009	397-572	896	11,493	1,915-5	19-155	104-50	700-06	70-50	2	90	81	16-75	17-75	Ordinary wrought-iron bars, $1\frac{1}{2}$ in. wide, $\frac{3}{8}$ -in. to $\frac{3}{4}$ -in. spaces.	
11 "	Two-thirds Powell's Duffryn, 9,059 lbs. One-third Cowpen Cambois Hartley, 4,091 lbs.	3-41	22-46	26-35	26-41	894-25	29-807	13-530	415-406	1,181	13,150	2,191-667	21-916	106-08	739-63	64-67	6	2-42	10	18-37	16-62	- ditto - ditto.	
22 "	Two-thirds Pumpquort coal, 8,010 lbs. One-third Cowpen Cambois Hartley, 4,173 lbs.	1-62	20-12	26-39	26-39	883-91	29-464	13-177	399-642	608	12,183-2,030-533	20-305	5-081	106-91	652-20	64-67	5	2-23	4	18-00	18-87	Five furnaces, wrought-iron bars, $\frac{1}{2}$ -in. to $\frac{3}{8}$ -in. spaces. One furnace, cast-iron bars, $\frac{1}{2}$ -in. spaces.	
23 "	Pumpquort coal -	3-21	11-83	26-64	26-64	871-83	26-060	9-902	266-609	756	7,980	1,330	13-300	100-33	525-95	64-58	1	0-13	355	16-75	16-87	- ditto - ditto.	
24 "	Two-thirds Pumpquort coal, 6,826 lbs. One-third Powell's Duffryn, 3,401 lbs.	5-16	17-37	26-25	26-29	844-00	28-131	11-440	331-391	784	10,227	1,704-5	17-045	106-66	555-91	63-83	1	0-9	327	18-50	18-50	Five furnaces, wrought-iron bars, $\frac{1}{2}$ -in. spaces. One furnace, cast-iron bars, $\frac{3}{8}$ -in. spaces.	

Chas. L. Waddilove,
Captain, Steam Reserve.W. B. Robinson,
Master Shipwright and Engineer.O. N. Brooker, Chief Engineer,
for Chief Inspector of Machinery Afloat (on duty).Wm. Hy. Steel,
Engineer Assistant.

(N. S. 5626—74.)

CHANNEL SQUADRON.—REPORT of Full Power Trial of Engines at Sea.

Sir,

“Agincourt,” in Arosa Bay,
14 November 1874.

I HAVE the honour to transmit herewith reports of full power trials, of 12 hours' duration, of Her Majesty's ship “Agincourt,” made at sea on the 6th instant on the passage from Plymouth to Corcubion Bay.

2. I also enclose, attached to the Report of “Agincourt's,” a special statement relative to the Pumpquort Anthracite coal which was used, unmixed with other coal, during the first two hours of the trial in that ship.

3. It is my intention to give this coal a further trial under various circumstances; but so far as the experience already acquired of it enables me to judge, I doubt its being suitable (unless mixed with other coal) to the requirements of the service, except in the important point of its being utterly smokeless.

The Secretary of the Admiralty.

I have, &c.

F. Beauchamp P. Seymour,
Rear Admiral.

(N. S. 5626—74.)

Reporting Trial of “Pumpquort” Coal.

Sir,

Her Majesty's Ship “Agincourt,” at Sea,
7 November 1874, Lat. 43° 17' N., Long. 10° 12' W.

In compliance with your orders to make a trial of the merits of the “Pumpquort” coal during the full speed trial, I have the honour to report as follows:

1. On the 6th instant, being then under steam with six boilers, at 4.30 a.m. commenced to light fires in the four forward boilers (ready for full speed trial), the furnaces of which were primed with “Pumpquort” Anthracite coal.

2. The usual practice of lighting was adopted, viz., taking fire from the other furnaces, but the “Pumpquort” coal would not ignite without the assistance of wood and other coal, when steam was raised in three hours and ten minutes.

3. At 9.10 a.m. steam being raised to 13 lbs., the engines were worked at full power, using all “Pumpquort” coal for generating steam, but the pressure fell rapidly to 6 lbs., notwithstanding the engines were worked expansively; a mean of 41 revolutions only being obtained, and finding it impossible to get the engines up to the full power anticipated, the use of the “Pumpquort” coal was discontinued, and a mixture of two-thirds Welsh and one-third North Country was used to complete the trial.

Captain Lord Walter T. Kerr,
&c. &c. “Agincourt.”

I have, &c.

H. W. Elgar,
Chief Engineer.

“Agincourt” at Corcubion Bay,
9 November 1874.

FORWARDED for the information of the Rear Admiral Commanding, in compliance with his memorandum of 16th ultimo, concerning Admiralty communication dated 15th ultimo, N. S. 3767—7375.

Walter T. Kerr, Captain.

Pumpquort
Anthracite Coal.

(N. S. 1591—75.)

Her Majesty's Ship "Northumberland," 31 December 1874.

REPORT on the undermentioned Coal under Trial in Her Majesty's Ship
"Northumberland."

When Tried.	Description.	REPORT.
24 Nov. 1874 -	Anthracite coal, Pumpquort.	No similar kind of coal tried before on board. This coal was tried on the 24th November 1874, in two boilers, for four hours, by itself, and was found to burn about equal with the two-thirds Welsh and one-third North Country, but not quite so much ash; when burnt half Anthracite and half Government mixture, the fires burnt well, but did not seem to give out the same heating powers. This was tried on the 2nd December 1874, in two boilers, for six hours, with one-third Government mixture and two-thirds Anthracite. We found the fires required a great deal of forcing, and when at steam evolutions had to discontinue burning it, on account of not being able to keep steam up, the consumption was slightly more economical, and the ash less. On the 14th December 1874 the fires were laid in four boilers, with half Anthracite and half Government mixture, the time in raising steam was about 20 minutes longer than with two-thirds Welsh and one-third North Country alone. We could not have a fair trial with the Anthracite coal, as only 58·5 tons were supplied out of the 200 tons ordered to be supplied; owing to the non-fulfilment of this order, and being ordered to fill up with the Government mixture, the coals became mixed, but sufficient of the Anthracite coal was picked out for trial.

T. B. Lethbridge, Captain.

20 February 1875.

Referred for the information of the Inspector of Machinery Afloat, and for him to state hereon whether he thinks it worth while to call for a report on this coal from the "Northumberland" in the form used for the experiments in the "Grinder," enclosed in Admiralty Letter to me, N. S. 3767—7375, of 15th October last, and if not, whether any further particulars should be added to the report hereon.

Richard Sampson, Esq.,
Inspector of Machinery Afloat,
Channel Squadron.

F. Beauchamp P. Seymour,
Rear Admiral.

22 February 1875.

REFERRED with the accompanying remarks from the Inspector of Machinery, Channel Squadron, to Captain Lethbridge, who is to direct the Chief Engineer of the "Northumberland" to furnish, if possible, the data on which the opinions on the other side are founded, observing that it is stated that, on the 2nd December whilst using two-thirds Pumpquort and one-third Government mixture, it was found necessary to force the fires, and that steam could not be kept up, yet that the consumption was slightly more economical.

F. Beauchamp P. Seymour,
Rear Admiral.

Respecting Report on Anthracite Coal.

Her Majesty's Ship "Northumberland,"
Madeira, 27 February 1875.

Sir,

In compliance with your order directing me to furnish further particulars respecting the trial of the Anthracite coal, I have the honour to state as follows:—

1st. That I did not attach any importance to it, not having a sufficient quantity of that coal for a fair trial, as stated in the concluding paragraph of the half-yearly report on articles under trial.

2nd. In

2nd. In using the words slightly more economical on the trial of the 2nd December 1874, my reasons for so stating are, that we were using four boilers, two with the Government mixture, and two with two-thirds Pumpquort, and one-third Government mixture; the engines were making 16 revolutions at this speed, the two boilers burning the Government mixture burnt more coal in the same period of time than those burning the Pumpquort mixture; but we had no means of judging which coal developed the greatest horse power. Upon increasing the speed to 28 and 30 revolutions the fires in which the Pumpquort was being burnt required more forcing than the others to keep the steam up, and we were ultimately obliged to discontinue its use, steam not being generated quick enough for the performance of steam evolutions, although the consumption was actually less, the Pumpquort being a slower burning coal and requiring a greater draught.

Pumpquort
Anthracite Co

Captain T. B. Lethbridge,
Her Majesty's Ship "Northumberland."

I have, &c.
Wm. Lewis,
Chief Engineer.

Her Majesty's Ship "Northumberland,"
Madeira, 27 February 1875.

Approved and Submitted.

T. B. Lethbridge, Captain.

FORWARDED to the Inspector of Machinery. The experiment appears to be of no value as a comparison.

4 March 1875.

F. Beauchamp P. Seymour,
Rear Admiral.

Note and Return.

N. S. 1005—75.

Her Majesty's Ship "Tamar,"
31 December 1874.

REPORT on the undermentioned Coal under Trial in Her Majesty's Ship "Tamar."

When Tried.	Description.	REPORT.
November 1874	Pumpquort Anthracite coal.	When mixed it generates more steam, and is much more economical than the ordinary mixture of Welsh and North Country coal. Pumpquort Anthracite coal does not burn well by itself in the ordinary furnace; combustion is very slow. When mixed with Welsh and North Country coal in the following proportions, viz., half Pumpquort, one-third Welsh, and one-sixth North Country coal, it generates steam quickly and economically.

W. Hunt Grubbe,
Commanding Officer.

HER MAJESTY'S SHIP "TAMAR."

RESULT of Six Hours' Trial with Pumpquort Coal.

16th November 1874.

Half Hours.	Observed Time.	Wind.		Pressure of Steam.		Vacuum in Condensers.		Revolutions per		Indicated Horse Power.	Temperatures of		Smoke Numbers.		
		Force.	Direction. Actual.	Boilers.	Engines.	Starboard.	Port.	Half Hour.	Minute.		Stokehole.	Deck.	Base of Funnel.	Maximum. Average.	Time of no Smoke.
1	12.15	1	E.	14	13	24	24	1,200	40	689.7	87	60	167	0	30
2	12.45	1	E.	14	13	24	24	1,200	40	689.7	89	60	168	0	30
3	1.15	1 to 2	Calm	14	13	24	24	1,200	40	689.7	89	60	168	1	26
4	1.45	1 to 2	Calm	14	13	24	24	1,200	40	689.7	90	59	168	1	29
5	2.15	1 to 2	Calm	14	13	24	24	1,200	40	689.7	90	59	169	0	30
6	2.45	1	Calm	14	13	24	24	1,200	40	689.7	90	58	170	1	20
Mean	- - -	1.5	-	14	13	144	144	1,200	40	4,138.2	535	356	1,010	3	165
7	3.15	1	Calm light air.	14	13	24	24	1,200	40	689.7	91	58	170	1	25
8	3.45	1 to 2	N. light air.	14	13	24	24	1,200	40	689.7	91	58	170	1	27
9	4.15	2	N.	14	13	24	24	1,200	40	689.7	91	58	170	1	22
10	4.45	2	N.	14	13	24	24	1,200	40	689.7	92	58	150	1	26
11	5.15	2	N.	14	13	24	24	1,170	40	630.3	92	58	120	0	30
12	5.45	2 to 3	S.W.	14	13	24	24	1,170	40	630.3	92	58	130	0	30
Mean	- - -	2	-	84	78	144	144	7,140	40	4,020.4	549	348	910	4	160
Mean of Means	-	1.75	-	84	78	144	144	7,170	40	4,079.3	542	352	960	3.5	162.5

Total amount of coal consumed, 21,280 lbs. in six hours = 3,546 lbs. per hour.
Total amount of ashes in six hours = 1,789 lbs.
Twenty furnaces fitted with ordinary wrought-iron fire bars 8 inch apart.
Average density of water in boilers = 18.5 starboard, 18.5 port.

Approved,
W. Hunt Grubbe, Captain.
W. D. Beaton, Chief Engineer.

Result of Six Hours' Trial with One-half Pumpquort Coal, One-sixth North Country, and One-third Welsh.

16th November 1874.

Half Hours.	Observed Time.	Wind.		Pressure of Steam.		Vacuum in Condensers.		Revolutions per		Mean Pressure.	Indicated Horse Power.	Temperatures of			Smoke Numbers.					
		Force.	Direction.	Boilers.	Engines.	Fore.	Aft.	Half Hour.	Minute.			Stokehole.	Deck.	Base of Funnel.	Maximum.	Average.	Time of no Smoke.			
		Actual.	Relative to Vessel.																	
1	12.15	4	West	Aft	-	-	13.5	12.5	24	24	1,200	40	11.82	680.6	90	64	185	2	.60	12
2	12.45	4	"	Aft	-	-	14.0	13.0	24	25	1,200	40	11.82	680.6	90	64	185	3	.70	9
3	1.15	4 to 5	"	Aft	-	-	14.0	13.0	24	25	1,200	40	11.82	680.6	90	64	185	3	.50	15
4	1.45	4 to 5	"	Aft	-	-	13.0	12.0	24	24	1,200	40	11.82	680.6	90	64	186	3	.33	20
5	2.15	4	"	Aft	-	-	14.0	13.0	25	25	1,200	40	11.82	680.6	90	64	186	2	.20	24
6	2.45	4	"	Aft	-	-	14.0	13.0	25	25	1,200	40	11.82	680.6	90	64	187	2	.40	18
Mean		4.3	-	-	-	-	13.7	12.7	24.3	24.8	1,200	40	11.82	680.6	90	64	185.7	2.5	.455	16.3
7	3.15	4	West	Aft	-	-	13.0	12.0	25.5	25	1,200	40	11.82	680.6	90	64	187	1	.406	16
8	3.45	4	"	Aft	-	-	14.0	13.0	25.5	25	1,200	40	11.82	680.6	90	64	184	2	.33	20
9	4.15	4 to 5	"	Aft	-	-	13.5	12.5	25	25	1,200	40	11.82	680.6	90	65	184	1	.30	21
10	4.45	4 to 5	"	Aft	-	-	14.0	13.0	25	25	1,200	40	11.82	680.6	91	65	180	1	.40	18
11	5.15	5	"	Aft	-	-	13.5	12.5	24.5	24	1,200	40	11.82	680.6	91	66	180	3	.506	13
12	5.45	5	"	Aft	-	-	13.0	12.0	24	24	1,200	40	11.82	680.6	91	66	179	1	.43	17
Mean		4.6	-	-	-	-	13.5	12.5	24.9	24.6	1,200	40	11.82	680.6	90.5	65	182.3	1.5	.395.3	17.5
Mean of Means		4.45	-	-	-	-	13.6	12.6	24.6	24.7	1,200	40	11.82	680.6	90.25	64.5	184	2	.4251	16.9

Total amount of coal consumed, 21,616 lbs. in six hours = 3,602.6 lbs. per hour.
Total amount of ashes in six hours = 1,680 lbs.
Twenty furnaces fitted with ordinary wrought-iron fire bars, $\frac{5}{8}$ inch apart.
Average density of water in boilers = 18, starboard; port, 18.5.

Approved,
W. Hunt Grubbe, Captain.
W. D. Beaton, Chief Engineer.

Pumpquort
Anthracite Coal.

(N. S. 943—75.)

Her Majesty's Ship "Simoom,"
31 December 1874.

REPORT on the undermentioned Coal under Trial in Her Majesty's Ship "Simoom."

When Tried.	Description.	REPORT.
18 Nov. 1874 -	100 tons Pumpquort Anthracite coal.	Alone it is not suited for the service on which this ship is employed, as it was with great difficulty that "three-quarter full speed" could be obtained, owing to the inactive combustion. The air space between the fire-bars was half inch during the trial. The per-centage of ash and clinker was 10·3. Requires greater draught and larger furnaces than in the boilers of this ship for its combustion, unless for slow speeds.

M. S. L. Peile,
Commanding Officer.

(N. S. 1383—75.)

REPORT on Pumpquort Anthracite Coal.

Her Majesty's Ship "Himalaya," at Sea,
31 December 1874.

Sir,

I HAVE the honour to report the following results of trials made with 100 tons of Pumpquort Anthracite coal on board Her Majesty's Ship under my command.

2. The first trial took place on 19th November, when the ordinary furnace bars were used.

3. The engines were working on the 2nd grade with all furnaces exposing a large area of grate surface. The coal was allowed to burn freely, without any forcing or extra stoking, thereby gaining the fullest possible results. Had it been necessary to increase speed with the Pumpquort Anthracite coal alone, it would not have been possible.

4. On the 23rd November a second trial took place, when similar results were obtained.

5. On the 24th November the trial with half Pumpquort Anthracite and half Powell's Duffryn was made, and the results will be found in the enclosed tabular statement; but I have to observe that when burning mixed coal it was found that the Powell's Duffryn burnt freely, leaving the Pumpquort Anthracite in dead masses on the bars, thereby causing the fires to burn very unevenly.

6. It also formed a fusible clinker which adhered to the bars, thereby making it very difficult to clean the fires, and greatly increasing the labour of stoking; and I would not under these circumstances recommend the use of the Pumpquort Anthracite to any of Her Majesty's Ships that may be required to make long passages, or where a variation of speed should suddenly become necessary.

I have, &c.
W. B. Grant,
Captain.

Admiral Hon. Sir Henry Keppel, G.C.B.,
Devonport.

HER MAJESTY'S SHIP "HIMALAYA."

REPORT of Articles under Trial. (Pumpquort Anthracite Coal).

(N. S. 1383—75.)

SUBMITTED for the information of the Lords Commissioners of the Admiralty, with reference to your Letter, N. S. 3767—2376, of 15th October 1874, observing that as it appears the Pumpquort Anthracite coal has been tried unimixed, your Letter, N. S. 943—2227, of 31st ultimo, has been communicated to the "Himalaya," as well as to the "Simoom," and "Tamar."

The Secretary of the Admiralty.

Henry Keppel, Admiral.

HER MAJESTY'S SHIP "HIMALAYA."

REPORT of Twenty-four Hours' Trial of Pumpquort Anthracite.

19th November 1874.

Hours.	Consumption of Coal.	W I N D.		Direction.		Pressure of Steam.		Vacuum in Condensers.		Revolutions		Mean Pressure.	Indicated Horse Power.	Temperatures.			Smoke Numbers.		
		Actual.	Force.	Relative to Ship.	Boilers.	Engines.	Forward.	Aft.	Per Hour.	Per Minute.	Stoke hold.			Engine Room.	Steam.	Maxi- mum.	Average.	Time of no Smoke.	
1	Lbs. 4,032	W. by S.	5	-	-	-	-	-	25	2,512	41.8	11.5	964.7	104	78	255	1	.40	36
2	3,802	W. by S.	5	-	-	-	-	-	25	2,538	42.3	11.1	944.1	104	79	255	1	.21	47
3	3,808	W. by S.	5	-	-	-	-	-	25	2,562	42.7	11.2	959.8	103	78	255	1	.15	51
4	3,808	W. by S.	5	-	-	-	-	-	25	2,485	41.4	11.2	930.6	99	75	255	1	.25	45
5	3,696	W. by S.	5	-	-	-	-	-	25	2,552	42.5	11.3	963.8	98	76	255	1	.28	43
6	3,696	W. by S.	5	-	-	-	-	-	25	2,511	41.8	11.5	964.7	102	74	255	1	.41	35
7	4,032	W. by S.	5	-	-	-	-	-	25	2,526	42.1	11.1	937.8	103	76	255	1	.19	49
8	3,696	W. by S.	5	-	-	-	-	-	25	2,553	42.5	11.3	963.8	104	76	255	1	.21	47
9	4,032	W. by S.	5	-	-	-	-	-	25	2,707	45.1	12.1	1,035.2	103	78	255	1	.15	51
10	4,032	W. by S.	5	-	-	-	-	-	25	2,719	45.3	11.9	1,081.9	104	78	255	1	.11	53
11	4,032	W. by S.	5	-	-	-	-	-	25	2,711	45.2	11.8	1,070.4	101	76	255	1	.16	50
12	4,032	W. by S.	5	-	-	-	-	-	25	2,690	44.8	11.0	989.0	103	78	255	1	.21	47
13	4,032	W. by S.	5	-	-	-	-	-	25	2,726	45.4	11.7	1,066.0	105	79	254	1	.25	45
14	4,032	W. by S.	5	-	-	-	-	-	25	2,696	44.9	12.1	1,090.3	98	80	254	1	.20	48
15	4,032	W. by S.	5	-	-	-	-	-	25	2,709	45.1	11.6	1,049.9	99	80	254	1	.30	42
16	4,032	W. by S.	4	-	-	-	-	-	25	2,712	45.2	11.7	1,061.3	101	81	254	1	.40	36
17	4,144	W. by S.	4	-	-	-	-	-	25	2,697	44.9	12.1	1,090.3	101	80	254	1	.36	38
18	4,256	W. by S.	4	-	-	-	-	-	25	2,655	44.2	11.8	1,042.7	101	80	254	1	.30	42
19	4,144	W. by S.	4	-	-	-	-	-	25	2,636	43.9	11.5	1,013.2	98	78	254	1	.25	45
20	4,032	W. by S.	4	-	-	-	-	-	25	2,649	44.1	11.6	1,027.3	102	76	254	1	.20	48
21	3,360	W. by S.	4	-	-	-	-	-	25	2,562	42.7	11.8	1,011.2	99	78	254	1	.15	51
22	4,032	W. by S.	4	-	-	-	-	-	25	2,521	42.0	11.4	960.9	96	78	254	1	.21	47
23	3,360	W. by S.	4	-	-	-	-	-	25	2,541	42.3	10.9	925.3	100	80	254	1	.25	45
24	3,360	W. by S.	4	-	-	-	-	-	25	2,516	41.9	11.1	933.4	101	81	254	1	.39	37
Means	3,896.6	-	4.6	-	-	-	-	-	25	2,616	43.4	11.5	1,006.0	101	78	254.5	1	.25	44.9

Ashes, 128 cwt. = 15.4 per cent of coal.
Consumption, per indicated horse-power, per hour = 3.5 lbs.
Average density of water = 18.
Consumption per square foot of grate surface per hour = 68 lbs.

W. B. Grant, Captain.
John Mather, Chief Engineer.

Pumpquort
Anthracite Coal.

HER MAJESTY'S SHIP "HIMALAYA."

REPORT of Twenty-four Hours' Trial of Pumpquort Coal.

23rd November 1874.

Number of Hours.	Consumption of Coal.	W I N D.		Pressure of Steam.		Vacuum in Condensers.		Revolutions.		Mean Pressure.	Indicated Horse Power.	Temperature.		Smoke Numbers.			
		Force.	Direction.	Boilers.	Engines.	Forward.	Aft.	Per Hour.	Per Minute.			Stoke- hold.	Engine Room.	Steam.	Maxi- mun.	Average.	Time of no Smoke.
		Actual.	Relative to Ship.											Seconds.			
1	Lbs.	3	N.W.	Quarter	17	16	25	2,520	42'0	10'2	860'1	102	86	252	1	50	30
2	3,360	3	N.W.	ditto	17	16	25	2,592	43'2	11'1	962'4	104	87	252	1	41	35
3	3,360	3	N.W.	ditto	17	16	25	2,544	42'4	10'85	923'6	100	85	252	1	33	40
4	3,360	3	N.W.	ditto	17	16	25	2,520	42'0	11'4	960'9	101	86	252	1	41	35
5	3,248	3	N.W.	ditto	17	16	25	2,538	42'3	11'1	944'1	102	84	252	1	33	40
6	3,248	4	N.W.	ditto	17	16	25	2,512	41'8	11'3	947'9	105	85	252	1	25	45
7	3,360	4	N.W.	ditto	17	16	25	2,510	41'8	10'8	906'0	104	87	252	1	25	45
8	3,136	5	N.W.	ditto	17	16	25	2,520	42'0	10'5	885'1	101	88	252	1	33	40
9	3,136	5	N.W. by W.	Aft	17	16	25	2,485	41'4	11'2	930'6	102	88	252	1	16	50
10	3,360	5	N.W. by W.	Aft	17	16	25	2,399	43'3	10'35	899'4	106	84	252	1	25	45
11	3,360	4	N.W. by W.	Aft	17	16	25	2,500	42'6	10'9	931'9	103	85	252	1	25	45
12	3,360	5	N.W. by W.	Aft	17	16	25	2,502	43'2	10'4	901'7	100	86	252	1	33	40
13	3,360	4	N.W. by W.	Aft	17	16	25	2,562	42'7	10'6	908'4	98	84	252	1	41	35
14	3,525	4	N.W.	Quarter	17	16	25	2,535	42'2	11'05	976'0	103	82	252	1	41	35
15	3,248	4	N.W.	ditto	17	16	25	2,526	42'1	10'8	912'5	104	82	252	1	50	30
16	3,360	4	N.W.	ditto	17	16	25	2,531	42'1	10'9	930'9	102	83	252	1	50	30
17	3,136	3	N.W.	ditto	17	16	25	2,564	42'7	10'7	916'9	101	84	252	1	41	35
18	3,248	3	N.W.	ditto	17	16	25	2,538	42'3	11'3	959'2	99	82	252	1	33	40
19	3,248	2	W. by N.	Aft	17	16	25	2,526	42'1	11'15	942'1	103	85	252	1	41	35
20	3,136	2	W. by N.	Aft	17	16	25	2,563	42'7	10'8	935'5	102	86	252	1	50	30
21	3,248	1	W. by N.	Aft	17	16	25	2,542	42'3	10'75	912'6	98	86	252	1	50	30
22	3,360	1	W. by N.	Aft	17	16	25	2,562	42'7	10'4	891'2	103	85	252	1	41	35
23	3,360	0	Calm.	Calm	17	16	25	2,552	42'5	10'85	925'4	102	84	252	1	33	40
24	3,360	0	Calm.	Calm	17	16	25	2,540	42'3	10'9	925'3	102	84	252	1	33	40
Means	3,296'8	3'12	-	-	17	16	25	2,543'9	42'36	10'86	923'6	102	84'9	252	1	37	37'5

W. B. Grant, Captain.
John Mather, Chief Engineer.

105 cwt. = 14'8 per cent. ashes, &c.
Consumption per indicated horse-power per hour = 3'569 lbs.
Average density of water in boilers = 18.
Consumption per square foot of grate surface per hour = 7'2 lbs.

HER MAJESTY'S SHIP "HIMALAYA."
Report of Twenty-four Hours' Trial of Half Pumpquort Anthracite and Half Powell's Duffryn.
24th November 1874.

Hours.	Consumption of Coal.	W I N D.		Pressure of Steam.		Vacuum in Condensers.		Revolutions		Mean Pressure.	Indicated Horse- power.	Temperatures.			Smoke Numbers.	
		Force.	Direction.	Boilers.	Engines.	Forward.	Aft.	Per Hour.	Per Minute.			Stoke Hold.	Engine Room.	Steam.	Maxi- mum.	Time of no Smoke.
	<i>Lbs.</i>															<i>Seconds.</i>
1	3,584	East	Ahead	17	16	25	25	2,562	42.7	10.6	908.4	106	82	250	1	.63
2	3,472	East	ditto	17	16	25	25	2,511	41.8	11.3	947.9	105	82	250	1	.73
3	3,472	East	ditto	17	16	25	25	2,532	42.2	11.05	976.0	102	84	250	1	.68
4	3,584	East	ditto	17	16	25	25	2,516	41.9	11.2	941.8	98	86	250	1	.66
5	3,360	East	ditto	17	16	25	25	2,541	42.3	11.1	944.1	101	80	250	1	.70
6	3,360	East	ditto	17	16	25	25	2,526	42.1	10.9	920.9	102	82	250	1	.73
7	3,360	East	ditto	17	16	25	25	2,560	42.6	10.8	923.8	104	79	250	1	.65
8	3,360	E. by N.	2 points on bow	17	16	25	25	2,502	42.7	11.2	959.8	98	82	250	1	.68
9	3,360	E. by N.	ditto	17	16	25	25	2,521	42.0	11.3	952.5	102	84	250	1	.63
10	3,360	E. by N.	ditto	17	16	25	25	2,510	41.8	11.5	964.7	104	84	250	1	.66
11	3,360	East	Ahead	17	16	25	25	2,535	42.2	11.2	948.6	98	85	250	1	.73
12	3,360	East	ditto	17	16	25	25	2,526	42.1	11.1	937.8	97	80	250	1	.65
13	3,472	East	ditto	17	16	25	25	2,538	42.3	10.9	925.3	104	78	250	1	.60
14	3,472	East	ditto	17	16	25	25	2,552	42.5	11.3	963.8	96	82	250	1	.65
15	3,472	East	ditto	17	16	25	25	2,506	41.7	11.5	962.4	98	84	250	1	.70
16	3,360	East	ditto	17	16	25	25	2,522	42.0	11.3	952.5	98	84	250	1	.70
17	3,360	E.N.E.	1 point on the bow	17	16	25	25	2,485	41.4	10.7	889.0	102	86	250	1	.66
18	3,360	E.N.E.	ditto	17	16	25	25	2,526	42.1	10.9	920.9	104	79	250	1	.63
19	3,696	E.N.E.	ditto	17	16	25	25	2,490	41.5	11.0	916.2	103	82	250	1	.60
20	3,696	E.N.E.	ditto	17	16	25	25	2,517	41.9	11.2	941.8	98	80	250	1	.65
21	3,472	N.E. by N.	2 points before the beam	17	16	25	25	2,531	42.1	10.8	912.5	102	82	250	1	.68
22	3,472	N.E. by N.	ditto	17	16	25	25	2,571	42.8	10.6	910.5	104	85	250	1	.65
23	3,584	N.E. by N.	ditto	17	16	25	25	2,486	41.4	11.2	930.6	100	88	250	1	.63
24	3,584	N.E. by N.	ditto	17	16	25	25	2,504	41.7	11.4	966.1	102	80	250	1	.70
MEANS	3,458	-	-	17	16	25	25	2,526	42.1	11.1	937.7	101	81.6	250	1	.66

Ashes, &c. = 133 cwt. = 17.9 per cent. of coal.
Consumption per indicated horse power per hour = 3.68.
Average density of water = 18.
Consumption per square foot of grate surface per hour = 7.6.

W. B. Grant, Captain.
John Mather, Chief Engineer.

Pumpquort
Anthracite Coal.

Pumpquort.
Anthracite Coal.

(N. S. 3024—75.)

Her Majesty's Ship "Fox,"
31 December 1874.

REPORT on the undermentioned Coal, under Trial in Her Majesty's Ship "Fox."

Date of Trial.	Description.	REPORT.
24 Nov. 1874 -	Pumpquort Coals -	<p>The Pumpquort Coal. Fires were laid and steam raised with it. The time it took to raise steam was $2\frac{1}{4}$ hours. With good coal, such as Cowpen Hartley and Powell's Duffryn, steam could be raised in 1 hour or $1\frac{1}{4}$ without the least force being applied. (This coal is smokeless.) This coal, for the first 7 hours, on each occasion of steaming, did remarkably well, when suddenly steam fell, and with the aid of blast could not obtain a greater pressure than 18 lbs. on the inch on the boilers, with the engines throttled and working expansively. Very little clinker is made, and what is, is similar to a glass face on the surface of the bars, which is of the worst character of clinker, causing all stoppage of draft. The coal burning alone at times renders the engines almost unmanageable. For long cruising I think the coal could be burnt advantageously in the proportion of half and half, viz., Cowpen Hartley and Pumpquort. The coal to be in separate-boxes, so as to ensure a proper mixture, and at any time smokeless coal was specially needed. With clean fires it could be used for the time above specified with good results. The average power, indicated horsepower, being nearly 6 lbs. per horse in comparison to Cowpen Hartley and Powell's Duffryn, which is from 4.25 to 4.5.</p>

H. C. Jones,
Chief Engineer.

Approved,

Joseph G. Dathan,
Staff Commander in Command.

(N. S. 1531—75.)

TRIALS OF ANTHRACITE COAL.

Her Majesty's Ship "Sultan," Gibraltar,
6 February 1875.

Sir,

IN compliance with your directions, I beg to enclose herewith the results of five trials with Anthracite coal, mixed and unmixed in the various proportions recommended by report of trials in Her Majesty's Dockyard, Portsmouth, dated 10th July 1874, with the following observations.

Before commencing the trials the air spaces between the fire-bars were set to half an inch, as recommended by the above-mentioned report, and are all the common service wrought-iron fire-bars.

1. That in all the trials with Pumpquort coals, the result appears to be unfavourable to its general use in the service. The present form of boilers do not admit of a sufficient body of fire, and consequently not sufficient time for its perfect combustion, it being exceedingly difficult to keep steam for high speeds as compared with the use of Powell's Duffryn and North Country coals, in the usual proportions of two-thirds to one-third.

2. The Pumpquort coal is extremely friable when heated, resulting in a large quantity falling through the bars, and having to be thrown on again in the form of very small coal, making it still more difficult to generate the amount of steam usually required from a boiler. The probable loss of speed with 24 furnaces, four boilers, would be six revolutions with the usual kind of coal generally supplied; four boilers are capable of steaming 40 revolutions without undue forcing.

3. The only advantage observed in the use of Pumpquort coal, is its greater density as compared with the various kinds of semi-bituminous and bituminous coals, and the production of smoke, which is scarcely visible.

I have, &c.

S. Clements,
Chief Engineer.

Captain A. H. Hoskins, R.N.,
Her Majesty's Ship "Sultan."

TRIALS OF ANTHRACITE COAL.

Her Majesty's Ship "Sultan," Gibraltar,
11 February 1875.

Sir,

I HAVE the honour to forward herewith the report of Mr. Clements, chief engineer of this ship, on the trials of Pumpquort Anthracite coal, made in accordance with Admiralty Order, the forms being filled up after those of the Portsmouth Steam Reserve of the trials in the "Grinder," supplied for guidance.

I concur with the chief engineer in his opinion, that Pumpquort coal cannot be used economically or advantageously under any circumstances, or in any proportion of mixture with the furnaces and boilers as at present fitted in Her Majesty's ships; but the combination which seems to give the best comparison with the ordinary service mixture is, one-third Pumpquort, one-third Welsh, and one-third North Country.

Rear Admiral Lord John Hay, C.B.,
Second in Command.

I have, &c.
A. H. Hoskins,
Captain.

"Northumberland," at Gibraltar,
13 February 1875.

(Submitted.)

Rear Admiral
F. Beauchamp Seymour, C.B.,
Commanding Channel Squadron.

John Hay,
Rear Admiral, Second in Command.

15 February 1875.
REFERRED for the information of the Inspector of Machinery, Channel Squadron,
and for any remarks he may wish to make.

To Richard Sampson, Esq.,
Inspector of Machinery, Channel Squadron.

F. Beauchamp P. Seymour,
Rear Admiral.

Her Majesty's Ship "Agincourt," Madeira,
30 March 1875.

I AGREE with the opinion expressed in the accompanying letters, that Pumpquort coal cannot be used to advantage for general purposes in Her Majesty's service, with the boilers as now fitted.

2. I observe that during the six hours' trial in "Sultan," on 27th January last, the maximum smoke number is shown as 2; but I can testify from personal observation that when Pumpquort coal alone was used in this ship, on 6th November 1874, there was an entire absence of smoke, and that too during the full-speed trial, when any smoky qualities of the coal would be fully developed.

Rear Admiral
F. Beauchamp Seymour, C.B.,
Commanding Channel Squadron.

R. Sampson,
Inspector of Machinery, Channel Squadron.

Extract from Commander in Chief's Letter (N. S. 1531—75).

"Agincourt" and "Sultan."

Forwarding Reports of the Results of Trials of Pumpquort Anthracite Coal.

Sir,

"Agincourt," at Madeira, 31 March 1875.

I HAVE the honour to enclose herewith reports of the results of trials of the Pumpquort Anthracite coal supplied to Her Majesty's ships "Agincourt" and "Sultan," in October last, with remarks thereon by the Inspector of Machinery of the Channel Squadron.

I have, &c.
F. Beauchamp P. Seymour,
Rear Admiral.

The Secretary of the Admiralty.

HER MAJESTY'S SHIP "AGINCOURT."
Results of Ten Hours' Trial of Pumpquort Coal.
24th November 1874.

Hours.	Time.	W I N D.			Pressure of Steam.		Vacuum in Condensers.		Revolutions.		Mean Pressure.	Indicated Horse-power.	Consumption				Total of Ashes.	Density of Water in Boilers.		REMARKS.
		Force.	Direction.		Boilers.	Engines.	Fore.	Aft.	Hours.	Minutes.			Per Hour.	Horse-power Per Indicated	Square Foot of Firegrate Surface.	Port.		Star-board.		
			Actual.	—															Relative to Vessel.	
1	11 a.m.	2	N.N.W.	B.C.	Lbs. 13	Lbs. 12	26	26	1,188	20	Lbs. 4.2	36.7	Cwts. 23	Lbs. 7	—	19	19	At 11 a.m. the steam began to diminish in pressure; draught-plates were removed entirely; when steam was kept with difficulty for four hours, speed being reduced to 16 revolutions, steam-pressure only for the reduced speed could be maintained. Had it been necessary to have proceeded at higher speeds, it would have been impossible to have done so; four boilers, grate surface, 240 feet.		
2	12 "	2	N.N.W.	"	13	12	26	26	1,200	20	4.2	36.7	22	7	—	19	19			
3	1 p.m.	2	N.N.W.	"	13	12	26	26	1,218	16	3.1	216.7	20	10.3	Mean quantity burned per foot, per hour, 8.5 lbs.	19	19			
4	2 "	2	N.N.W.	"	13	12	26	26	1,134	16	3.1	216.7	18	9.3	33 cwts, 18 per cent.	19	19			
5	3 "	2	N.N.W.	"	10	9	26	26	960	16	3.3	230.7	18	8.7	—	19	19			
6	4 "	2 to 3	N. by E.	"	12	11	26	26	980	16	3.3	230.7	18	8.7	—	19	19			
7	5 "	2 to 3	N. by E.	"	10	9	26	26	966	16	3.1	216.75	18	9.3	—	19	19			
8	6 "	3	N. by E.	"	12	11	26	26	963	16	3.1	216.75	18	9.3	—	19	19			
9	7 "	3	N. by E.	"	12	11	26	26	972	16	3.1	216.75	16	8.2	—	19	19			
10	8 "	2 to 3	N. by E.	"	12	11	26	26	960	16	3.1	216.75	13	6.7	—	19	19			
		TOTAL			120	110	260	260	10,494	168	33.6	2495.8	184	84.5	—	190	190			
		MEAN			12	11	26	26	1049.4	16.8	3.36	249.58	18.4	8.45	—	19	19			

Walter T. Kerr, Captain.
H. W. Elgar, Chief Engineer.

HER MAJESTY'S SHIP "AGINCOURT."

RESULTS of Hours' Trial with Pumpquort Coal, One-half; and Admiralty Mixture Powell's Duffryn, One-third; Cowpen's Hartley, One-sixth.

25th November 1874.

Hours.	Time.	W I N D.			Pressure of Steam.		Vacuum in Condensers.		Revolutions.		Mean Pressure.	Indicated Horse-power.	Consumption			Total of Ashes.	Density of Water in Boilers.		REMARKS.
		Force.	Direction.		Boilers.	Engines.	Fore.	Aft.	Hours.	Minutes.			Per Hour.	Per Indicated Horse-power per Hour.	Square Foot of Firegrate Surface.		Por t.	Star-board.	
			Actual.	—															
1	a.m. 11	3	N.N.W.	g.	13	12	26	26	1,758	29	Lbs. 8	1013.8	Cwts. 40	4.43		19	19	The pressure of steam was maintained with less difficulty than yesterday and more equal, but with this mixture of coal there was a greater tendency to clinker. Four boilers, grate surface, 240 feet.	
2	12	3	N.N.W.	b.c.	13	12	26	26	1,740	29	8	1013.8	40	4.5		19	19		
3	p.m. 1	2 to 3	N.N.W.	"	13	12	26	26	912	15.2	3.1	205.9	16	8.8		19	19		
4	2	2 to 3	N.N.W.	"	13	12	26	26	822	13.7	3	179.6	24	14		19	19		
5	3	4	W.S.W.	Cqr.	13	12	26	26	858	14.3	3.1	193.7	14	8.2		19	19		
6	4	6 to 8	N.W.	"	13	12	26	26	900	15	3.1	203.2	18	9.9		19	19		
7	5	6 to 8	N.W. by	"	13	12	26	26	918	15.3	3.1	207.26	15	8.1		19	19		
8	6	4 to 6	N.W.	"	13	12	26	26	936	15.6	3.1	211.3	12	6.3		19	19		
9	7	4 to 6	N.W.	b.c.d.	13	12	26	26	960	16	3	216.7	12	6.2		19	19		
10	8	6 to 8	North	b.c.q.d.	13	12	26	26	962	16	3	216.7	12	6.2		19	19		
TOTAL					130	120	260	260	10,766	179.1	40.5	3661.96	203	76.63	-	190	190		
MEAN					13	12	26	26	1,076.6	17.91	4.05	366.19	20.3	7.66	-	19	19		

Walter T. Kerr, Captain.
H. W. Elgar, Chief Engineer.

HER MAJESTY'S SHIP "AGINCOURT."

RESULTS of Twenty-four Hours' Trial of Pumpquort, Two-thirds; Cowpen's Hartley, One-third.

20th and 21st February 1875.

Hours.	Time.	W I N D.		Pressure of Steam.		Vacuum in Condensers.		Revolutions.		Indicated Horse-power.	Consumption			Total of Ashes.	Density of Water in Boilers.		REMARKS.
		Force.	Direction.	Boilers.	Engines.	Fore.	Aft.	Hours.	Minutes.		Per Hour.	Per Indicated Horse-power Per Hour.	Square Foot of Firegrate Surface.		Port.	Star-board.	
1	a.m.	3	S.W.	Lbs. 13	Lbs. 12	26	26	840	14	Lbs. 3	Cwt. 13	Lbs. 79	35.7 cwt., 8.6 per cent. of ash and clinker.	19	19	Four boilers, grate surface 240 feet. Average smoke, No. 1.	
2	10	"	"	13	12	26	26	1,500	25	7.5	44	6		19	19		
3	11	"	"	13	12	26	26	1,620	27	6.3	48	7.2		19	19		
4	12	4 to 5	W. by N.	13	12	26	26	1,446	24	5.5	40	7.7		19	19		
5	p.m.	"	"	13	12	26	26	870	14.5	3	13	7.6		19	19		
6	1	"	"	13	12	26	26	848	14.2	2.5	13	9.4		19	19		
7	2	"	"	13	12	26	26	846	14.1	2.5	13	9.3		19	19		
8	3	"	"	13	12	26	26	840	14	2.5	13	9.5		19	19		
9	4	3 to 4	W. N. W.	13	12	26	26	846	14.1	2.5	13	9.5		19	19		
10	5	4 to 5	Variable	13	12	26	26	840	14	2.5	13	9.5		19	19		
11	6	"	"	13	12	26	26	850	14.3	2.5	13	8.7		19	19		
12	7	"	"	13	12	26	26	828	13.8	2.5	13	9.6		19	19		
13	8	1 to 2	"	13	12	26	26	840	14	2.5	13	9.5		19	19		
14	9	2 to 3	W. N. W.	13	12	26	26	1,044	17.4	3	13	6.3		19	19		
15	10	3	N. W.	13	12	26	26	1,086	18.1	3.6	13	5		19	19		
16	11	"	"	13	12	26	26	1,074	17.9	4.7	13	3.9		19	19		
17	12	"	W. N. W.	13	12	26	26	1,092	18.2	4.7	13	3.9		19	19		
18	a.m.	"	"	13	12	26	26	1,122	18.7	4.7	14	4.1		19	19		
19	1	"	"	13	12	26	26	1,056	17.6	4.7	14	4.3		19	19		
20	2	"	"	13	12	26	26	1,110	18.5	4.9	14	3.9		19	19		
21	3	4	W. by N.	13	12	26	26	1,140	19	4.9	14	3.8		19	19		
22	4	"	N. W.	13	12	26	26	1,038	17.3	4.9	14	4.2		19	19		
23	5	5 to 6	N. N. W.	13	12	26	26	1,104	18.4	4.9	15	4.2		19	19		
24	6	"	"	13	12	26	26	1,116	18.6	4.9	16	4.5		19	19		
TOTAL												-	-	456	456		
MEAN												-	-	19	19		

Walter T. Kerr, Captain.

H. W. Elgar, Chief Engineer.

HER MAJESTY'S SHIP "AGINCOURT."

RESULTS of Eight Hours' Trial of Pumpquort, One-third; Cowpen's Hartley, Two-thirds.

21st February 1875.

	Time.	WIND.		Pressure of Steam.		Vacuum in Condensers.		Revolutions.		Mean Pressure.	Indicated Horse-power.	Consumption			Total of Ashes.	Density of Water in Boilers.		REMARKS.	
		Force.	Actual.	Direction.	Boilers.	Engines.	Fore.	Aft.	Hours.			Minutes.	Per Hour.	Per Indicated Horse-power, Per Hour.		Square Foot of Firegrate Surface.	Port.		Star-board.
1	a. m.	3	N. N. W.	Two points before the beam.	Lbs. 13	Lbs. 12	26	26	1,080	18	Lbs. 4.5	353.8	Cwts. 18	Lbs. 5.7	19	19	Four boilers, grate surface, 240 feet. Average smoke, No. 2. The trial was discontinued after eight hours, the Pump-quort coal having become mixed with Welsh coal.		
2	10	"	"	- ditto - ditto -	13	12	26	26	1,080	18	4	314.6	18	6.4	19	19			
3	11	"	"	- ditto - ditto -	13	12	26	26	1,080	18	4	314.6	18	6.4	19	19			
4	12	3 to 5	"	- ditto - ditto -	13	12	26	26	1,080	18	3.3	259.5	18	7.7	19	19			
5	p. m.	3	"	- ditto - ditto -	13	12	26	26	1,092	18.2	3.3	262.4	18	7.6	19	19			
6	2	"	"	- ditto - ditto -	13	12	26	26	1,092	18.2	3.3	262.4	18	7.6	19	19			
7	3	1 to 2	N. W.	One point before the beam	13	12	26	26	1,092	18.2	3.3	262.4	18	7.6	19	19			
8	4	"	"	- ditto - ditto -	13	12	26	26	1,092	18.2	3.3	262.4	18	7.6	19	19			
TOTAL					104	96	208	208	8,688	144.8	29	2292.1	144	56.6	152	152			
MEAN					13	12	26	26	1,086	18.1	3.6	286.5	18	7.	19	19			

Walter T. Kerr, Captain.
H. W. Elgar, Chief Engineer.

HER MAJESTY'S SHIP "AGINCOURT."

RESULTS of Ten Hours' Trial of Government Mixture: Cowpen's Hartley, One-third; Powell's Duffryn, Two-thirds.

22nd February 1875.

Hours.	Time.	WIND.		Pressure of Steam.		Vacuum in Condensers.		Revolutions.		Mean Pressure.	Indicated Horse-power.	Consumption			Total of Ashes.	Density of Water in Boilers.		REMARKS.
		Force.	Direction.	Boilers.	Engines.	Fore.	Aft.	Hours.	Minutes.			Per Hour.	Per Indicated Horse-power per Hour.	Square Foot of Firegrate Surface.		Port.	Starboard.	
1	a.m. 9	1	W. by S.	13	12	26	26	1,074	17.9	Lbs. 4.6	359.8	Cwts. 19	Lbs. 5.9			19	19	Four boilers, grate surface, 240 feet.
2	10	"	- ditto -	13	12	26	26	1,080	18	4.6	361.8	19	5.8			19	19	Average smoke, No. 2.
3	11	"	- ditto -	13	12	26	26	1,080	18	4.6	361.8	19	5.8			19	19	
4	12	"	One point on bow -	13	12	26	26	1,080	18	3.8	299	19	7.1			19	19	
5	p.m. 1	"	- ditto -	13	12	26	26	1,080	18	3.8	299	19	7.1			19	19	
6	2	"	- ditto -	13	12	26	26	1,092	18.2	3.8	302.2	19	7			19	19	
7	3	"	- ditto -	13	12	26	26	1,062	17.7	3.8	294	19	7.2			19	19	
8	4	1 to 2	Four points on bow	13	12	26	26	1,094	17.9	3.8	297.2	19	7.1			19	19	
9	5	"	- ditto -	13	12	26	26	1,098	18.3	3.8	303.8	19	7			19	19	
10	6	1	Five points on bow	13	12	26	26	1,086	18.1	3.8	300.1	19	7			19	19	
		TOTAL		130	120	260	260	10,826	180.1	40.4	3,178.7	190	67			190	190	
		MEAN		13	12	26	26	10,826	18	4	317.8	19	6.7			19	19	

Walter T. Kerr, Captain.
H. W. Elgar, Chief Engineer.

HER MAJESTY'S SHIP "AGINCOURT."

SUMMARY of RESULTS of Trials with Pumpquort and other descriptions of Coals.

Date of Trial.	Description of Coal.	Force of Wind.	Pressure of Steam in Boilers.		Vacuum.		Revolutions per		Steam Pressure in Cylinder.	Indicated Horse-power.	Total Ashes in Trial.	Consumption of Coal.				Temperature of		Smoke Numbers.		Density of Water.		Duration of Trial.	Fire-bars.	REMARKS.
			Fore.	Aft.	Hour.	Minute.	Total.	Per Hour.				Per Square Foot of Fire-grate per Hour.	Per Indicated Horse-power per Hour.	Stoke-hold.	Deck.	Maxim.	Average.	Star-board Boilers.	Port Boilers.					
1874: 24 Nov. -	Pumpquort -	2 to 3	12	26	26	1049.4	16.8	Lbs. 3.36	249.58	33	Cwts. 184	Cwts. 18.4	Lbs. 8.5	Lbs. 8.45	87	58	-	No smoke.	19	19	10		Using 4 boilers, 16 furnaces.	
25 Nov. -	Pumpquort $\frac{1}{2}$, and Admiralty mixture, Powell's Duffryn $\frac{1}{2}$, Cowpen's Hartley $\frac{1}{2}$	2 to 3 and 4 to 8	13	26	26	1076.6	17.91	4.05	366.19	19	203	20.3	7.36	7.67	84	60		Average smoke, 2	19	19	10		Using 4 boilers, 16 furnaces.	
1875: 20 and 21 Feb.	Pumpquort $\frac{2}{3}$, Cowpen's Hartley $\frac{1}{3}$	3 to 5 6 to 1	13	26	26	1041.5	17.3	3.9	321.6	35.7	415	17.3	8.0	6.6	96	59		Average smoke, 1	19	19	24		Using 4 boilers, 16 furnaces.	
21 Feb. -	Pumpquort $\frac{1}{2}$, Cowpen's Hartley $\frac{1}{2}$	6 to 1	13	26	26	1086.0	18.1	3.6	286.5	16	144	18.	8.4	7.	89	60		Average smoke, 2	19	19	8		Using 4 boilers, 16 furnaces.	
22 Feb. -	Cowpen's Hartley $\frac{3}{4}$, Powell's Duffryn $\frac{1}{4}$	1 to 2	13	26	26	1082.6	18.0	4.	317.8	10.7	190	19.	8.8	6.7	96	60		Average smoke, 2	19	19	10		Using 4 boilers, 16 furnaces.	

It will be observed from the above trials that the mixture of Pumpquort two-thirds, Cowpen's Hartley one-third, has a slight advantage of the others, and can be burnt at low speeds, but at higher speed, 28 revolutions and upwards, the required pressure cannot be maintained even with increased consumption.

Walter T. Kerr, Captain.
H. W. Elgar, Chief Engineer.

Judging from these Reports and personal observations during the Trials, I am of opinion that "Pumpquort" coal, however mixed, is not nearly so well adapted for the requirements of Her Majesty's Service as that now used, viz., two-thirds Welsh and one-third North Country.

16 March 1875.
Referred to the Inspector of Machinery for his information, and any remarks he may wish to make hereon.
F. Beauchamp Seymour,
Rear Admiral.

Her Majesty's Ship "Agincourt," 23 March 1875.
R. Sampson, Inspector of Machinery,
Channel Squadron.

Inspector of Machinery, Channel Squadron.

Pumpquort
Anthracite Coal.

HER MAJESTY'S SHIP "SULTAN."

RESULTS of Six Hours' Trial with Two-thirds Pumpquort, One-third Wigan Hartley.

15th November 1874.

Half-hours.	Observed Time.	WIND.		Pressure of Steam.		Vacuum in Condensers.		Revolutions per		Mean Pressure.	Indicated Horse Power.	Temperature of			Smoke Numbers.			
		Force.	Direction.		Boilers.	Engines.	Fore.	Aft.	Half-hour.			Minute.	Stoke Hold.	Deck.	Base of Funnel.	Maxim.	Average.	Time of no Smoke.
			Actual.	Relative to Vessel.														
1	H. M.	5 to 6	W.N.W.-	22°	20°	27·2	26·2	933	31·1	5·08	942·24	80	54	No apparatus fitted.	1	·4	0	
2	3 15	7	N.W. -	22°	20°	27°	26·1	962	32·06	5·11	977·06	88	54		1	·4	0	
3	3 45	7	ditto -	22°	20°	27°	26·0	1,071	35·7	5·03	1,070·96	88	54		2	1·2	5	
4	4 15	7	ditto -	22°	20°	27°	26·1	1,030	34·33	5·23	1,070·81	88	55		2	1·15	0	
5	4 45	7	ditto -	22°	20°	26·8	26°	1,028	34·26	5·07	1,035·93	98	55		1	·7	10	
6	5 15	7	ditto -	23°	21°	26·6	26°	928	30·93	5·62	1,036·70	103	55		1	·5	0	
7	5 45	7	ditto -	23°	21°	26·6	26°	1,009	33·63	5·77	1,157·28	104	55		1	·5	5	
8	6 15	7 to 8	ditto -	23°	21°	26·6	26°	-	-	Engines stopped	-	100	55		1	·6	5	
9	6 45	7 " 8	ditto -	22°	20·5	26°	26·1	-	-	Engines stopped	-	100	55		2	1·5	10	
10	7 15	7 " 8	ditto -	22°	19·5	26°	26°	917	30·56	5·6	1,020·65	102	55		3	2·0	0	
11	7 45	7 " 8	ditto -	24°	22·5	26°	25·8	658	21·93	2·78	363·59	100	55		1	·5	5	
12	8 15	7 " 8	ditto -	23°	21·5	26·8	26·2	648	21·6	2·55	328·49	102	55		1	·6	5	
12	8 45	7 " 8	ditto -	23°	21·5	26·8	26·2	648	21·6	2·55	328·49	102	55	1	·6	5		
MEAN	- - -	7·16	- - -	22·5	20·58	26·63	26·04	918·4	30·61	4·78	900·37	96·5	54·75	-	3	·837	45	

Total amount of coal consumed = 21,084 lbs. in six hours = 3,514 lbs. per hour = 8·75 lbs. per square foot of firegrate per hour = 3·90 lbs. per indicated horse power.
 Total amount of ashes in six hours = 812 lbs.
 Common wrought-iron fire bars used half-inch apart.
 Average density of water in boilers = 18.

Approved,

A. H. Hosking, Captain.

S. Clements, Chief Engineer.

HER MAJESTY'S SHIP "SULTAN."

Result of Six Hours' Trial with One-third Pumpquort, One-third Aberdare, One-third Wigan Hartley.

15th November 1874.

Half- hours.	Observed Time.	WIND.		Pressure of Steam.		Vacuum in Condensers.		Revolutions per		Mean Pressure.	Indicated Horse Power.	Temperature of		Smoke Numbers.				
		Force.	Direction.		Boilers.	Engines.	Fore.	Aft.	Half-hour.			Minute.	Stoke Hold.	Deck.	Base of Funnel.	Maxi- mum.	Average.	Time of no Smoke.
			Actual.	Relative to Vessel.														
1	H. M.	7 to 8	N.W.	-	Starboard bow	24	22	26.75	26.5	663	22.20	2.07	274.81	100	55	1	.5	0
2	10 15	7 " 9	ditto	-	ditto	22.5	20	26.5	26.5	687	22.9	1.5	204.86	94	56	2	1.0	0
3	11 15	7 " 9	ditto	-	ditto	22	21	26.75	26.75	685	22.83	2.72	322.96	92	56	2	1.0	0
4	11 45	7 " 9	ditto	-	ditto	22	19	27	27	665	22.16	2.462	325.38	88	56	1	.6	0
5	12 15	7 " 9	ditto	-	ditto	22	19	26	26.25	790	26.33	2.26	354.89	96	56	2	1.4	0
6	12 45	7 " 9	ditto	-	ditto	22.5	20	26.5	26	712	23.73	2.625	371.50	96	56	1	.5	0
7	1 15	7 " 9	ditto	-	ditto	22.5	20	26	26	784	26.13	2.715	423.10	92	57	1	.5	0
8	1 45	7 " 9	ditto	-	ditto	22	21	26	26.5	779	25.96	2.475	383.19	92	57	1	.5	0
9	2 15	7 " 9	ditto	-	ditto	23	21	27	26	708	23.6	2.075	292.05	90	57	0	.0	30
10	2 45	7 " 9	ditto	-	ditto	23	21	26	26.5	672	22.4	1.937	258.77	92	58	1	.6	0
11	3 15	7 " 9	ditto	-	ditto	22.5	20	26.5	26.5	647	21.56	1.55	199.30	90	58	0	.0	30
12	3 45	7 " 8	ditto	-	ditto	22	19	27	26.75	629	20.96	1.687	210.88	92	57	1	.5	0
MEAN		8.0	-	-	-	22.58	20.25	26.5	26.45	702.16	23.40	2.144	301.81	92.83	56.58	2	.591	60

Total amount of coal consumed = 14,314 lbs. in six hours = 2,385.66 lbs. per hour = 11.89 lbs. per square foot of firegrate per hour = 789 lbs. per indicated horse power.

Total amount of ashes in six hours = 700 lbs.

Common wrought-iron fire bars used half-inch apart.

Average density of water in boilers = 18.

Approved,

A. H. Hoskins, Captain.

S. Clements, Chief Engineer.

Pumpquort
Anthracite Coal.

HER MAJESTY'S SHIP "SULTAN."
RESULTS of Four Hours' Trial with One-half Pumpquort, One-half Aberdare.
16th November 1874.

Half- hours.	Observed Time.	W I N D.		Pressure of Steam.		Vacuum in Condensers.		Revolutions per		Mean Pressure.	Indicated Horse Power.	Temperature of			Smoke Numbers.			
		Force.	Direction.		Boilers.	Engine.	Fore.	Aft.	Half-hour.			Minute.	Stoke Hold.	Deck.	Base of Funnel.	Maxi- mum.	Average.	Time of no Smoke.
			Actual.	Relative to Vessel.														
1	H. M. 6 15	6 to 8	N.W. $\frac{1}{2}$ W.	Starboard bow	23.	21.4	27.2	27.	622	20.73	185.45	94	55	No apparatus fitted.	1	.4	10	
2	6 45	6 „ 8	ditto	- - ditto	23.	21.	27.	26.8	619	20.63	201.41	94	54		1	.5	0	
3	7 15	6 „ 8	ditto	- - ditto	23.	21.	27.2	26.8	608	20.26	206.86	94	55		0	0	30	
4	7 45	6 „ 8	ditto	- - ditto	22.	20.4	27.2	26.8	627	20.9	205.66	94	55		2	1.5	0	
5	8 15	6 „ 7	N. W.	- - ditto	23.	21.	27.2	26.6	627	20.9	193.20	90	55		1	.5	0	
6	8 45	6 „ 7	ditto	- - ditto	22.5	20.6	27.	26.4	618	20.6	227.23	88	55		2	1.2	10	
7	9 15	6 „ 7	ditto	- - ditto	22.	20.4	27.	26.6	666	22.2	236.6	88	56		1	.6	5	
8	9 45	6 „ 7	ditto	- - ditto	23.	21.0	26.8	26.2	618	20.6	235.51	88	56		2	1.0	15	
MEAN - - -		6.75	-	-	22.68	20.85	27.07	26.65	625.62	20.35	211.49	91.2	55.12	-	2	.712	70	

Total amount of coal consumed = 4,564 lbs. in four hours = 1,141 lbs. per hour = 5.63 lbs. per square foot of firegrate per hour = 5.39 lbs. per indicated horse power.
Total amount of ashes in four hours = 952 lbs.
Common wrought-iron fire bars used half-inch apart.
Average density of water in boilers = 18.

S. Clements, Chief Engineer.

Approved,

A. H. Hoskins, Captain.

Pumquort
Anthracite Coal.

HER MAJESTY'S SHIP "SULTAN."
RESULTS of Four Hours' Trial with Two-thirds Pumquort, One-third Aberdare.
18th November 1874.

Half- hours.	Observed Time.	WIND.			Pressure of Steam.		Vacuum in Condensers.		Revolutions per		Mean Pressure.	Indicated Horse Power.	Temperature of			Smoke Numbers.			
		Force.	Direction.		Boilers.	Engines.	Fore.	Aft.	Half-hour.	Minute.			Stoke Hold.	Deck.	Base of Funnel.	Maxi- mum.	Average.	Time of no Smoke.	
			Actual.	Relative to Vessel.															
1	H. M. 8 15	1	N.W. by W.	Aft	24	22	27.8	27.6	664	22.13	2.285	301.58	82	59	No apparatus fitted.	0	.0	30	
2	8 45	1	ditto	-	24	22	27.8	27.6	680	22.66	2.187	295.56	82	59		1	.5	15	
3	9 15	1	ditto	-	24.5	23	28	27.6	677	22.5	2.35	315.34	82	59		0	.0	30	
4	9 45	1	ditto	-	24	22	28	27.6	651	21.7	2.317	299.86	86	60		1	.65	20	
5	10 15	1	ditto	-	23.5	21.6	28	27.8	653	21.7	2.327	301.15	86	60		1	.8	0	
6	10 45	2	N. by W.	-	24	22	28	27.6	685	22.8	2.125	329.74	86	62		0	.0	30	
7	11 15	2	ditto	-	24	22	28	27.6	640	21.3	2.487	315.93	86	63		0	.0	30	
8	11 45	2	ditto	-	24.5	22.6	28	27.6	609	20.3	1.962	237.53	86	63		1	.6	5	
MEAN		1.36	-	-	24.06	22.15	27.95	27.6	657.37	21.88	2.29	299.59	84.5	60.62	-	1	.318	160	

Total amount of coal consumed = 6,916 lbs. in four hours = 1,729 lbs. per hour = 8.61 lbs. per square foot per hour = 5.77 lbs. per indicated horse power.
Total amount of ashes in four hours = 756 lbs.
Common wrought-iron fire bars used half-inch apart.
Average density of water in boilers = 18.

Approved,
A. H. Hoskins, Captain.
S. Clements, Chief Engineer.

Pumpquort
Anthracite Coal.

HER MAJESTY'S SHIP "SULTAN."

RESULTS of Six Hours' Trial with Pumpquort Coal.

27th January 1875.

Half-hours.	Observed Time.	WIND.			Pressure of Steam.		Vacuum in Condensers.		Revolutions per		Mean Pressure.	Indicated Horse-power.	Temperature of			Smoke Numbers.		
		Force.	Direction.		Boilers.	Engines.	Fore.	Aft.	Half-hour.	Minute.			Stoke Hold.	Deck.	Base of Funnel.	Maxi-mum.	Average.	Time of no Smoke.
			Actual.	Relative to Vessel.														
1	H. M.	0	Calm	-	22°	20°	27°	26°	808	26·9	2·6	417·12	94	58	No apparatus fitted.	0	0°	30
2	9 30	0	ditto	-	22·5	20·5	27°	26·5	850	28·3	6·1	1,029·56	96	58		2	1·4	5
3	10 0	0	ditto	-	23°	21°	27°	26°	970	32·3	6·1	1,175·08	96	59		1	0·8	10
4	10 30	0	ditto	-	24°	22°	27°	26°	920	30·6	2·85	520·12	96	60		0	0°	30
5	11 0	0	ditto	-	23°	21°	26°	25·5	790	26·3	5·9	925·13	96	62		2	1·0	15
6	11 30	0	ditto	-	23°	22°	26°	25°	920	30·6	3·985	727·26	94	63		1	0·5	15
7	12 0	0	ditto	-	20°	15°	26°	26°	910	30·3	3·25	587·30	94	64		0	0°	30
8	12 30	0	ditto	-	23°	22°	26°	25·5	690	23°	2·35	322·35	95	64		0	0°	30
9	1 0	0	ditto	-	23°	22°	26°	25°	794	26·4	2·8	410·85	94	65		0	0°	30
10	1 30	1	North	Port quarter	23°	20°	26°	25°	690	23°	3·2	438·95	94	67		0	0°	30
11	2 0	1	ditto	-	23°	20°	26°	25°	642	21·4	3·1	395·65	92	70		1	8°	20
12	2 30	1	ditto	-	21°	20°	27°	25°	688	22·9	3·35	457·52	92	68		0	0°	30
12	3 0	1	ditto	-	20°	20°	26°	25°										
MEAN		·33	-	-	22·29	20·46	26·41	25·54	806	26·83	3·79	619·76	94·41	63·16	-	2	·375	275

Total amount of coal consumed = 18,468 lbs. in six hours = 3,078 lbs. per hour = 8·36 lbs. per square foot of grate per hour = 4·96 lbs. per indicated horse power.

Total amount of ashes in six hours = 1,456 lbs.

Common wrought-iron fire bars used half-inch apart.

Average density of water in boilers = 18.

Approved,

A. H. Hoskins, Captain.

S. Clements, Chief Engineer.

HER MAJESTY'S SHIP "SULTAN."
SUMMARY of RESULT of Four and Six Hours' Trial.
15th, 16th, and 18th November 1874, and 27th January 1875.

Date of Trial.	DESCRIPTION OF COALS.	Force of Wind.		Pressure of Steam in Boilers.		Vacuum.		Revolutions per		Mean Pressure in Cylinder.	Indicated Horse Power.	Total Ashes in Trial.	Consumption of Coal.				Temperature of			Smoke Numbers.		Density of Water.		REMARKS.
		Fore.	Aft.	Half-Hour.	Minute.	Total.	Per Hour.	Per Square Foot of Firegrate per Hour.	Per Indicated Horse Power per Hour.	Stoke Hold.	Base of Funnel.	Deck.	Maximum.	Average.	Time of no Smoke.	Starboard Boilers.	Port Boilers.							
1874: 15 Nov. -	Two-thirds Pump- quort, 14,000 lbs. One-third Wigan Hartley, 7,084 lbs.	26.63	26.04	918.4	30.61	4.78	900.37	812	<i>lbs.</i>	21,084	3,514	<i>lbs.</i>	8.75	<i>lbs.</i>	3.90	96.5	54.75	3	.837	45	18	18	24 furnaces, six hours' trial, ordinary wrought-iron bars half-inch apart.	
15 "	One-third Pump- quort, 4,955 lbs. One-third Aberdare, 4,691 lbs. One-third Wigan Hart- ley, 4,688 lbs.	26.5	26.45	702.16	23.40	2.14	301.81	700	<i>lbs.</i>	14,314	2,385.66	11.89	7.89	92.83	56.58	2	.591	60	18	18	12 furnaces, six hours' trial, ordinary wrought-iron bars half-inch apart.			
16 "	One-half Pumpquort, 2,436 lbs. One-half Aberdare, 2,128 lbs.	27.07	26.65	625.62	20.85	1.70	211.49	952	<i>lbs.</i>	4,564	1,141	5.63	5.39	91.2	55.12	2	.712	70	18	18	12 furnaces, four hours' trial, ordinary wrought-iron bars, half-inch apart.			
18 "	Two thirds Pump- quort, 4,676 lbs. One-third Aberdare, 2,240 lbs.	27.95	27.6	657.37	21.88	2.29	299.59	756	<i>lbs.</i>	6,916	1,729	8.61	5.77	84.5	60.62	1	.318	160	18	18	12 furnaces, four hours' trial, ordinary wrought-iron bars, half-inch apart.			
1875: 27 Jan. -	Pumpquort, 18,468 lbs.	26.41	25.54	806	26.83	3.79	619.76	1,456	<i>lbs.</i>	18,468	3,078	8.36	4.96	94.41	63.16	2	.375	275	18	18	24 furnaces four hours, 18 furnaces two hours, bars half-inch apart.			

Approved, *A. H. Hoskins, Captain.*
S. Clements, Chief Engineer.

Pumpquort
Anthracite Coal.

Pumpquort
Anthracite Coal.

(N. S. 4699—1875.)

Her Majesty's Ship "Salamander,"
30 June 1875.

REPORT on the undermentioned Coal, under Trial in Her Majesty's Ship
"Salamander."

Date of Trial.	Proportions of Coal Burnt.	RESULT OF TRIAL.
26 February - 27 " - 2 March - 23 " -	Pumpquort Anthracite - - - Best Ocean Merthyr. Cowpen Hartley. One-third of each.	Having carefully examined this mixture of coal, I consider that it is in no respect superior to the ordinary mixture of Welsh and North Country coal, commonly used in Her Majesty's Service. The Pumpquort Anthracite is of slow combustion, and almost entirely smokeless. Its steaming qualities, when mixed in the proportions used, are inferior to the usual mixture; and the steam blast had to be frequently used, to keep the steam to the usual pressure. The distance run per ton of coal (under similar circumstances) is about the usual average, and the amount of ashes and clinker slightly less. The distance run per ton of coal, under steam alone, was 6.44 knots, and the mean amounts of ashes and clinker, 8.48 per cent.

Jno. Ferguson, Chief Engineer.

Approved,

Jas. Kiddle, Staff Commander.

(N. S. 4683—75.)

Her Majesty's Ship "Contest,"
30 June 1875.

REPORT on the undermentioned Coal, under Trial in Her Majesty's Ship "Contest."

Date of Trial.	Proportions of Coal Burnt.	RESULT OF TRIAL.
Dec. 1874	Pumpquort Anthracite Coal, 7½ tons.	Generation of steam, very good; emission of smoke, very little; rate of combustion, slow; per-centage of ash, &c., 9.

G. W. Allen,
Lieutenant and Commander.

(N. S. 4718—75.)

Her Majesty's Ship "Glatton,"
30 June 1875.

REPORT on the undermentioned Coal, under Trial in Her Majesty's Ship "Glatton."

Date of Trial.	Description Tried.	REPORT.
Between 28 January and 19 May 1875.	200 tons of coals: two-thirds Welsh (Pumpquort), one-third North Country (Cowpen Hartley).	These coals were consumed during a series of torpedo experiments and also target practice; and as the engines were working at various speeds, and stopped frequently, the true value of the coal cannot be given. Distance between fire bars, half-an-inch. The per-centage of ash, &c. was 17.31, but this large average is owing to the number of times steam was raised, fires banked, and the irregular speed of engines. The Pumpquort is a smokeless coal.

W. Steil, Chief Engineer.
T. Brandreth, Commanding Officer.

Pumpquort
Anthracite Coal.

(N. S. 3052—75.)

NAVAL Stores under Trial.

Sir,
I BEG to enclose the Report of the trial of the "Pumpquort Anthracite" coals on board Her Majesty's Steam Tank "Minx," belonging to this yard, and to annex copy of the letter from the Storekeeper of Devonport Dockyard, with the Admiral Superintendent's minute thereon on the subject.

Royal William Yard, 1 July 1875.

I have, &c.
Wm. H. Churcher,
Superintending Storekeeper.

Admiral the Honourable Sir H. Keppel, G.C.B.,
&c. &c. &c.

(N. S. 3052—75.)

Royal William Victualling Yard.—Forwarding Report of Trial of Pumpquort Anthracite Coal, on board "Minx" and "Buffalo."

"Royal Adelaide," in Hamoaze,
16 July 1875.

SUBMITTED for the information of the Lords Commissioners of the Admiralty; observing that the "Northumberland" informs me that the Report from that ship has been forwarded.

Henry Keppel, Admiral,
The Secretary of the Admiralty.

Her Majesty's Steam Tank Vessel "Minx,"
30 June 1875.

REPORT on the undermentioned Coal, under Trial in Her Majesty's Steam Tank Vessel "Minx."

Date of Trial.	Description of Coal.	REPORT.
4 March 1875-	Pumpquort Anthracite - -	The deposit of clinkers and ashes acts more injuriously on the furnace and furnace bars than the ordinary coals supplied. I find these coals, on trial, to be inferior to either the Welsh or the North Country coals, or the usual service mixture of both. They require much forcing, and leave an unusual deposit of clinkers and ashes. <i>J. E. Nicholls,</i> Engineer. <i>L. Renny,</i> Master.

Her Majesty's Steam Storeship "Buffalo,"
1875.

REPORT on the undermentioned Coal, under Trial in Her Majesty's Steam Storeship "Buffalo."

Date of Trial.	Description of Coal.	REPORT.
8 Feb. 1875 -	Pumpquort Anthracite - -	My opinion is that the coal in question is not an economical coal; a difficulty being experienced in keeping steam without the blast having to be continually used to keep the fires bright, thereby causing a great wear and tear of the furnace sides and furnace bars. The per-centage of ash and clinker is much greater than in ordinary coal, and the consumption is very much greater. <i>J. Pook,</i> Commanding Officer.

Pumpquort
Anthracite Coal.

(N. S. 1703—76.)

REPORT on Pumpquort Anthracite Coal.

Her Majesty's Ship "Resistance,"
Lisbon, 11 March 1876.

Sir,

IN accordance with their Lordships' directions, I have the honour to forward herewith the results of trials made in Her Majesty's ship under your command, with Anthracite coal.

Comparing it with other coal, there appears to be no advantage gained. Much difficulty was experienced in commanding steam, and I also noticed the fires were not bright and active, for want of sufficient draught. The wrought-iron fire-bars were arranged as closely as possible, notwithstanding which the per-centage of ash was large.

I am of opinion that a large area of firegrate is required, with wider furnaces, so that a greater mass of fuel might be burnt in each grate. A very good draught is essential to ensure active combustion, without which I find it to be an inferior steam-producing coal.

I have, &c.

F. W. Brown, Chief Engineer.

Captain C. W. Hope, A.D.C.,
H.M.S. "Resistance."

FORWARDED, observing that I concur in the above report, excepting that I consider the Anthracite coal possesses one great advantage in being absolutely smokeless; but the existing furnaces do not seem to be suited to this description of fuel.

Charles W. Hope, Captain.

(N. S. 1703—76.)

TRIALS with Pumpquort Anthracite and Mixed Coal.

Her Majesty's Ship "Minotaur,"
At Sea, 18 March 1876.

Sir,

IN compliance with your directions, I have examined the reports of trials made in Her Majesty's ships "Black Prince" and "Resistance" with Pumpquort Anthracite and mixed coal, and, with a view to ready comparison, I have made a general abstract of them, which I have the honour to forward for your information.

I beg leave to observe that the absence of smoke when using Pumpquort Anthracite coal is much in its favour. At low speeds, with the command of a good draught to the fires, and without any sudden demand for extra steam, it appears to do fairly, but for general purposes I am fully of opinion that it is not adapted for use in Her Majesty's ships, with the present construction of their furnaces.

I have, &c.

R. Sampson,

Inspector of Machinery, Channel Squadron.

Rear Admiral F. Beauchamp P. Seymour, C.B.,
Commanding Channel Squadron.

"Minotaur," 18 March 1876.

Inspector of Machinery forwards reports of trials made in "Black Prince" and "Resistance" with Pumpquort Anthracite and mixed coal.

No. 128. Enclosure.

"Minotaur," at Sea. Lat. 33° 27' N.; Lon. 16° 15' W.,
20 March 1876.

SUBMITTED for the information of the Lords Commissioners of the Admiralty, with reference to your letter, N. S. 2696—5466, of 29th July 1875, concurring in the opinion of the inspector of machinery.

The Secretary of the Admiralty.

F. Beauchamp P. Seymour,
Rear Admiral Commanding.

HER MAJESTY'S SHIP "BLACK PRINCE."
RESULT of Four Hours' Trial with Anthracite Coal.

20th December 1875.

Half Hours.	Observed Time.	WIND.		Pressure of Steam.		Vacuum.		Revolutions per		Mean Pressure.	Indicated Horse Power.	Temperature of			Smoke, Numbers.		Time of no Smoke.	REMARKS.
		Force.	Direction.	Boilers.	Engines.	Forward.		Half-hour.	Minute.			Stoke-hold.	Deck.	Base of Funnel.	Maxim.	Average.		
						Lbs.	In.											
1	H. M.	3 to 4	S.S.W.	21	20	27.5	27.12	782	26.06	5.47	589.5	78	56	1	.166	25	Makes steam well if with powerful draught, if not, fires are dull, no clinkers, and with small fine ash. No smoke. Smoke consumers open.	
2	2 30 p.m.	3 to 4	S.S.W.	21	20	27.5	27.12	782	26.06	5.47	589.5	78	56	1	.166	25		
3	3 0 "	3 to 4	S.S.W.	21	20	27.5	27.12	782	26.06	5.47	589.5	78	56	1	.166	25		
4	3 30 "	3 to 4	S.S.W.	21	20	27.5	27.12	782	26.06	5.47	589.5	78	56	1	.166	25		
5	4 0 "	3 to 4	S.S.W.	21	20	27.5	27.12	782	26.06	5.47	589.5	78	56	1	.166	25		
MEAN	- - -	-	-	21	20	27.25	27.12	737	24.56	5.73	582.9	77.5	56	25	.041	28.75		
6	4 30 p.m.	3 to 4	S. by W.	21	20	27.5	27.12	757	25.23	6.35	662.6	76	55	0	0	30		
7	5 0 "	3 to 4	S. by W.	21	20	27.5	27.12	757	25.23	6.35	662.6	76	55	0	0	30		
8	5 30 "	3 to 4	S. by W.	21	20	27.5	27.12	757	25.23	6.35	662.6	76	55	0	0	30		
9	6 0 "	3 to 4	S. by W.	21	20	27.5	27.12	757	25.23	6.35	662.6	76	55	0	0	30		
MEAN	- - -	-	-	21	20	26.75	27.12	728.7	24.29	6	603.5	77	54.5	0	0	30		
MEAN of MEANS		3 to 4	-	21	20	27	27.06	732.8	24.42	5.86	593.2	77.2	55.2	125	.020	29.375		

Coal used during trial, 11,648 lbs. in four hours = 2,912 lbs. per hour = 7.28 lbs. per square foot of fire-grate per hour = 4.9 lbs. per Indicated Horse Power per hour.

Total ashes during trial, 2,550 lbs. in four hours = 21.89 per cent.

Density of water in boilers, 18.

Wrought-iron fire bars, 1½ inch wide, and ¾ to ¾ inch spaces, which could not be made narrower.

No sail set. Distance run, 20 knots.

The fire-grate surface was greater than that ordered by their Lordships' letter, N. S. 2,696—5,466, dated 29th July 1875, and that from the officers of Portsmouth Dockyard, No. 450, dated 26th June 1875, in order to maintain steam.

T. B. Lethbridge, Captain.
C. Inches, Chief Engineer.

Pumpquort
Anthracite Coal.

HER MAJESTY'S SHIP "BLACK PRINCE."

RESULT of Four Hours' Trial with One-third Anthracite and Two-thirds Mixed Coal. Mixed Coal, One quarter North Country, Three quarters Welsh.
21st December 1875.

Half Hours.	Observed Time.	WIND.		Pressure of Steam.		Vacuum.		Revolutions per		Mean Pressure.	Indicated Horse- power.	Temperatures of		Smoke Numbers.		Time of no Smoke.	REMARKS.	
		Force.	Direction.	Boilers.	Engines.	Forward.	Aft.	Half- hour.	Minute.			Stoke- hole.	Deck.	Base of Funnel.	Maxi- mum.			Average.
H.	M.			Lbs.	Lbs.	In.	In.	No.	No.	Lbs.	Degs.	Degs.	Mins.					
1	7 30 a.m.	2	S.S.W.	21	20	26	26	770	25.66	5.58	592.2	80	60	1	33	20	No particular remarks to make, further than that this proportion gave a considerable quantity of clinker. Smoke con- sumers open.	
2	8 0 "	2	S.S.W.	21	20	27	27	745	24.83	4.95	508.3	82	60	2	1	10		
3	8 30 "	2	S.S.W.	21	20	27	27	710	23.66	4.56	446.2	80	60	1	5	15		
4	9 0 "	2	S.S.W.	21	20	27	27	683	22.76	4.44	417.9	78	60	0	0	30		
MEAN		-	-	21	20	26.75	26.75	727	24.23	4.88	491.1	80	60	1	45	18.75		
5	9 30 a.m.	2 to 3	S.W.S.	21	20	27	27	700	23.33	4.75	458.3	80	60	0	0	30	No means of ascertaining.	
6	10 0 "	2 to 3	S.W.S.	21	20	27	27	678	22.6	4.35	406.6	82	58	0	0	30		
7	10 30 "	2 to 3	S.W.S.	21	20	27	27	730	24.33	5.11	514.2	80	58	0	0	30		
8	11 0 "	2 to 3	S.W.S.	21	20	27	27	651	21.7	4.9	439.7	80	60	1	33	20		
MEAN		-	-	21	20	27	27	689.7	22.99	4.77	454.7	80.5	59	25	08	27.5		
MEAN of MEANS		-	-	21	20	26.8	26.8	708.3	23.61	4.82	472.9	80.2	59.5	-	26	23.12		

Total amount of coal consumed = 13,216 lbs. in four hours = 3,304 lbs. per hour = 8.82 lbs. per square foot of fire-grate per hour = 6.98 lbs. per indicated horse power per hour.
Total amount of ashes in four hours = 1,869 lbs. = 14.14 per cent.
Density of water in boilers, 18.
Wrought-iron fire-bars, $1\frac{1}{4}$ inch wide, and $\frac{3}{4}$ to $\frac{1}{2}$ inch spaces, which could not be made narrower.
No sail set; distance run, 20 knots.
Fire-grate greater than ordered, in order to maintain steam.

T. B. Lethbridge, Captain.

C. Inches, Chief Engineer.

Pumpquort
Anthracite Coal.

HER MAJESTY'S SHIP "BLACK PRINCE."

RESULT of Four Hours' Trial with One-half Anthracite and One-half Mixed Coal. Mixed Coal, One-quarter North Country, and Three-quarters Welsh.

21st December 1875.

Half Hours.	Observed Time.	WIND.		Pressure of Steam.		Vacuum.		Revolutions per		Mean Pressure.	Indicated Horse Power.	Temperature of			Smoke Numbers.		REMARKS.	
		Force.	Direction.	Boilers.	Engines.	Forward.	Aft.	Half- hour.	Minute.			Stoke- Hole.	Deck.	Base of Funnel.	Maxi- mum.	Average.		Time of no Smoke.
1	H. M. 1 30 p.m.	2 to 3	S.S.W.	21	20	27	27	700	23.33	4.95	477.6	Degs. 82	Degs. 60	No means of ascertaining.	1	.33	This proportion was the least economical of all the trials. Per-centage of ash less than others. Smoke consumers open.	
2	2 0 "	2 to 3	S.S.W.	21	20	27	27	740	24.66	5.4	550.7	82	60		2	.66		
3	2 30 "	2 to 3	S.S.W.	21	20	27	27	760	25.33	5.23	547.9	80	60		1	.33		
4	3 0 "	2 to 3	S.S.W.	21	20	27	27	662	22.06	4.15	378.6	80	60		1	.66		
MEAN	- - -	-	-	21	20	27	27	715.5	23.85	4.93	488.7	81	60		1.25	.49		16.25
5	3 30 "	1 to 2	S.S.W.	21	20	27	27	640	21.33	4.42	389.9	81	60	No means of ascertaining.	1	.66	10	
6	4 0 "	1 to 2	S.S.W.	21	20	27	27	638	21.26	4.25	373.7	81	60		1	.66		10
7	4 30 "	1 to 2	S.S.W.	15	14	27	27	630	21.	4.46	387.3	83	60		1	.16		25
8	5 0 "	1 to 2	S.S.W.	21	20	27	27	708	23.6	5.5	536.8	82	60		1	.16		25
MEAN	- - -	-	-	19.5	18.5	27	27	654	21.8	4.65	421.9	81.7	60		1	.46		17.5
MEAN of MEANS		-	-	20.25	19.25	27	27	684.7	22.82	4.79	455.3	81.3	60	-	1.125	.47	16.87	

Total amount of coal consumed = 13,664 lbs. in four hours = 3,416 lbs. per hour = 9.18 lbs. per square foot of fire-grate per hour = 7.5 lbs. per indicated horse power per hour.

Total amount of ashes in four hours = 1,360 lbs. = 9.95 per cent.

Density of water in boilers, 18

Wrought-iron fire-bars, 1½ inch wide, to ¾ inch spaces, which could not be made narrower.

No sail set; distance run, 20 knots.

Fire-grate greater than ordered, in order to maintain speed.

T. B. Lethbridge, Captain.

C. Inches, Chief Engineer.

Pumpquort
Anthracite Coal.

HER MAJESTY'S SHIP "BLACK PRINCE."

RESULT of Four Hours' Trial with Two-thirds Anthracite and One-third Mixed Coal. Mixed Coal, One-fourth North Country, Three-quarters Welsh.

21st December 1875.

Half Hours.	Observed Time.	WIND.		Pressure of Steam.		Vacuum.		Revolutions per Minute.		Mean Pressure.	Indicated Horse Power.	Temperatures of			Smoke Numbers.		REMARKS.
		Force.	Direction.	Boilers.	Engines.	Forward.	Aft.	Half Hour.	Minute.			Stoke- Hole.	Deck.	Base of Funnel.	Maxi- mum.	Average.	
	H. M.			Lbs.	Lbs.	In.	In.	No.	No.	Lbs.	Degs.	Degs.	Degs.				
1	7 30 p.m.	1 to 2	Half point on starboard bow	21	20	27	27	730	24.33	4.6	462.8	82	58		1	.16	No material difference between this and the one-third an- thraxite and two- thirds mixed. Smoke consumers open.
2	8 0 "	1 to 2	ditto - ditto	21	20	27	27	691	23.03	4.37	416.2	84	58		0	0	
3	8 30 "	1 to 2	ditto - ditto	21	20	27	27	680	22.66	4.35	407.6	83	58		0	0	
4	9 0 "	1 to 2	ditto - ditto	21	20	27	27	702	23.4	4.75	459.7	80	58		1	.16	
MEAN	- - -	-	-	21	20	27	27	700.7	23.35	4.51	436.5	82.2	58		.5	.08	No means of ascertaining.
5	9 30 "	1 to 2	Half point on starboard bow	21	20	27	27	696	23.2	4.7	450.9	81	58		0	0	
6	10 0 "	1 to 2	ditto - ditto	21	20	27	27	690	23.	4.55	432.6	82	58		1	.33	
7	10 30 "	1 to 2	ditto - ditto	21	20	27	27	692	23.06	4.69	447.3	81	56		0	0	
8	11 0 "	1 to 2	ditto - ditto	21	20	27	27	686	22.86	4.58	433.	80	56		0	0	No material difference between this and the one-third an- thraxite and two- thirds mixed. Smoke consumers open.
MEAN	- - -	-	-	21	20	27	27	691	23.03	4.63	440.9	81	57		.25	.05	
MEAN OF MEANS	- - -	-	-	21	20	27	27	695.6	23.19	4.57	438.7	81.6	57.5		.375	.08	

Total amount of coal consumed = 12,096 lbs. in four hours = 3,024 lbs. per hour = 8.12 lbs. per square foot of fire-grate per hour = 6.89 lbs. per indicated horse power per hour.

Total amount of ashes in 4 hours = 1,530 lbs. = 12.64 per cent.

Density of water in boilers, 18

Wrought-iron fire bars, $1\frac{1}{2}$ inch wide, $\frac{5}{8}$ to $\frac{3}{4}$ inch spaces, which could not be made narrower.

No sail set; distance run, 20 knots.

Fire-grate greater than ordered, in order to maintain steam.

T. B. Lethbridge, Captain.

C. Inches, Chief Engineer.

HER MAJESTY'S SHIP "BLACK PRINCE."

RESULT of Four Hours' Trial with Mixed Coal (One-quarter North Country, Three-quarters Welsh).

22nd December 1875.

Half Hours.	Observed Time.	WIND.		Pressure of Steam.		Vacuum.		Revolutions per Minute.		Indicated Horse Power.	Temperature of			Smoke Numbers.		REMARKS.
		Force.	Direction.	Boilers.	Engines.	Forward.	Aft.	Half-Hour.	No.		Stoke-hole.	Deck.	Base of Funnel.	Maxi-mum.	Average.	
1	H. M.			Lbs.	Lbs.	In.	In.	No.	No.	Lbs.	Degs.	Degs.	Degs.	1	.33	Min. 20 25 25 10
2	1 30 p.m.	2	S.S.W.	20	19	27	27	677	22.56	5.	82	60		1		
3	2 0 "	2	S.S.W.	20	19	27	27	659	21.96	4.95	82	60		1	.16	
4	2 30 "	2	S.S.W.	20	19	27	27	658	21.93	4.47	82	58		1	.16	
4	3 0 "	2	S.S.W.	20	19	27	27	642	21.4	4.9	82	58		1	.66	
MEAN		-	-	20	19	27	27	659	21.96	4.83	82	59		1	.32	20
5	3 30 p.m.	2	S.S.W.	20	19	27	27	444	14.8	4.67	80	58	No means of ascertaining.	2	.5	Kept steam well, but left a large quantity of ash.
6	4 0 "	2	S.S.W.	20	19	27	27	580	19.33	5.21	80	56		2	.66	
7	4 30 "	2	S.S.W.	20	19	27	27	780	26	5.22	82	58		0	.0	
8	5 0 "	2	S.S.W.	20	19	27	27	730	24.33	4.72	82	60		1	.33	
MEAN		-	-	20	19	27	27	635.5	21.11	4.95	81	58		1.25	.26	21.25
MEAN OF MEANS		-	-	20	19	27	27	646.2	21.54	4.89	81.5	58.5	-	1.125	.29	20.625

Total amount of coal consumed = 11,872 lbs. in four hours = 2,968 lbs. per hour = 7.2 lbs. per square foot of fire-grate = 6.79 lbs. per 1 horse-power per hour.
Total amount of ashes in four hours = 1,775 lbs. = 1.495 per cent.
Density of water in boilers 18.
Wrought-iron fire-bars, 1½ inch wide, 8 inch to ¾ inch spaces, which could not be made narrower.
No sail set; distance run, 20 knots.
Fire-grate greater than ordered in order to maintain steam.

T. B. Lethbridge, Captain.
C. Ince, Chief Engineer.

Pumpquort
Anthracite Coal.

HER MAJESTY'S SHIP "BLACK PRINCE."
SUMMARY of RESULTS of Four Hours' Trials.

Date of Trial.	Description of Coal.	Force of Wind.	Pressure of Steam Boilers.	Vacuum.		Revolutions per		Mean Pressure in Cylinders.	Indicated Horse Power.	Total Ashes in Trial.	Consumption of Coal.				Temperature of			Smoke Numbers.		Time of no Smoke.	Density of Water.	REMARKS.	
				Fore.	Aft.	Half Hour.	Minute.				Total.	Per Hour.	Per Square Foot of Fire-grate per Hour.	Per Indicated Horse Power per Hour.	Stoke- hole.	Base of Funnel.	Deck.	Maxi- mum.	Aver- age.				
1875: 20 Dec. -	Anthracite	3.4	21	27	27.06	732.8	24.42	5.86	393.2	2,550	Lbs. 11,648	Lbs. 2,912	Lbs. 7.28	Lbs. 4.9	Degs. 77.2	Degs. 55.2	Degs.	1	.02	235			Smoke consumers open wrought iron fire bars 1 1/2 inch wide, 3/4 inch to 3/8 inch spaces, which could not be made narrower. No sail set.
21 Dec. {	1/2 Anthracite 1/2 Mixed	2.3	21	26.8	26.8	708.3	23.61	4.82	472.9	1,869	Lbs. 13,216	Lbs. 3,304	Lbs. 8.82	Lbs. 6.98	80.2	No means of ascertaining.		2	.26	185	18		
21 Dec. {	1/2 Anthracite 1/2 Mixed	2	20.25	27	27	684.7	22.82	4.79	455.3	1,360	Lbs. 13,664	Lbs. 8,416	Lbs. 9.18	Lbs. 7.5	81.3	60		2	.47	185	18		
21 Dec. {	1/2 Anthracite 1/2 Mixed	1.2	21	27	27	695.8	23.19	4.57	438.7	1,530	Lbs. 12,096	Lbs. 3,024	Lbs. 8.12	Lbs. 6.89	81.6	57.5		1	.08	220			
22 Dec. -	Mixed Coal	2	20	27	27	646.2	21.54	4.89	436.6	1,775	Lbs. 11,872	Lbs. 2,968	Lbs. 7.2	Lbs. 6.79	81.5	58.5		2	.29	165	1		

Fire-grate surface greater than ordered by Admiral's letter (N. S. 2696-5366), in order to maintain steam.

T. B. Lethbridge, Captain.
C. Inches, Chief Engineer.

HER MAJESTY'S SHIP "BLACK PRINCE."

[Result of Five Hours' Trial with Pumpquort Anthracite Coal.
27th January 1876.

Hour.	Observed Time.	WIND.		Pressure of Steam.		Vacuum.		Revolutions per Minute.		Mean Pressure.	Indicated Horse Power.	Temperature of		Smoke Numbers.		Time of no Smoke.	REMARKS.
		Force.	Direction.	Boilers.	Engines.	Fore.	Aft.	Hour.	No.			Stoke-hole.	Deck.	Maxim.	Average.		
1	H. M. 10 0 a.m.	1	East - Abeam.	Lbs. 21	Lbs. 20	27	27	1,470	24.5	Lbs. 5.08	514.7	Degs. 84	Degs. 60	2	1	15	Makes steam well if with powerful draught, if not, the fires burn dull. On one occasion after the trial a sudden demand for steam necessitated the use of North Country to enliven it, the blast was put on, and the fires were perfectly dead. The whole of the anthracite coal is now expended, a great portion of it being used on the full power trial, 23rd November 1875, mixed with other coal, of which no account was taken; the ship was then in the hands of the Devonport Steam Factory officials.
2	11 0 "	1	ditto -	21	20	27	27	1,692	28.2	7.9	921.4	88	60	1	.41	35	
3	12 0 "	1	ditto -	21	20	27	27	1,536	25.6	5.35	566.4	98	60	1	.25	45	
4	1 0 p.m.	3	E.N.E. - Before beam	21	20	27	27	1,506	25.1	5.15	534.6	97	60	1	.98	55	
5	2 0 "	2 to 3	ditto -	21	20	27	27	1,488	24.8	5.22	535.4	98	60	-	-	60	
		MEAN		21	20	27	27	1,538	25.6	5.74	614.5	93	60	1	.34	42	

Coa used during trial = 18,592 lbs.
Ashes during trial = 3,380 lbs. = 18.1 per cent.
Five-grate surface = 372 square feet, and steam could not be maintained with less.
Coal per square foot of fire-grate per hour = 9.9 lbs.
Coal per indicated horse-power per hour = 6 lbs. Distance run 30.2 knots.

Density of water in boilers = 18.5.
Smoke consumers shut.
Distance between fire bars, $\frac{3}{4}$ to $\frac{1}{2}$ inch, and, as made, could not be placed closer.
No sail set. During the first three hours of the trial a small amount of the ordinary coal was unavoidably mixed with the anthracite, which accounts for the smoke during that period.

T. B. Lethbridge, Captain.
C. Inches, Chief Engineer.

Pumpquort
Anthracite Coal.

Pumpquort
Anthracite Coal.

HER MAJESTY'S SHIP "BLACK PRINCE."
RESULT of Trial of Mixed Coal, One-third Wigan Hartley, and Two-thirds Cory's Merthyr.

24th February 1876.

Hour.	Observed Time.	WIND.			Pressure of Steam.		Vacuum.		Revolution per		Mean Pressure.	Indicated Horse Power.	Temperatures of		Smoke Numbers.		Time of no Smoke.	REMARKS.
		Force.	Direction.		Boilers.	Engines.	Fore.	Aft.	Hour.	Minute.			Stoke-hole.	Deck.	Maximum.	Average.		
			Actual.	Relative to Vessel.														
1	H. M. 9 0 a.m.	0	Calm	-	Lbs. 25	Lbs. 24	Inches. 27	Inches. 27	No. 1,578	No. 26.3	Lbs. 5.487	596.8	Degrees. 91	60	2	.41	40	Government mixture; gave very satisfactory results as to keeping steam.
2	10 0 "	0	ditto	-	25	24	27	27	1,506	25.1	4.837	502.	94	60	0	.0	60	
3	11 0 "	1	Easterly	-	25	24	27	27	1,476	24.6	4.73	481.2	94	60	1	.16	50	
4	12 0 "	1	ditto	-	25	24	27	27	1,452	24.2	4.525	452.9	92	60	1	.08	55	
5	12 40 p.m.	1	ditto	-	25	24	27	27	952 40 min.	23.8	4.275	420.8	94	60	1	.12	out of 40 min. 35	
MEAN																		51.4
																		.15

Density of water in boilers, 18.

Smoke slides open.
Distance between fire-bars $\frac{8}{16}$ to $\frac{3}{16}$, and could not be placed closer.

No sail set.

Distance run = 28 knots.

Coals used during trial, 12,544 lbs.

Ashes during trial, 800 lbs. = 6.3 per cent.

Fire-grate surface, 312 square feet.

Coal used per square foot of fire-grate per hour, 8.6 lbs.

Coal used per indicated horse power per hour = 5.4 lbs.

T. B. Lethbridge, Captain.
C. Inches, Chief Engineer.

HER MAJESTY'S SHIP "RESISTANCE."

RESULT of Four Hours' Trial with Pumpquort Coal.

20th December 1875.

Hours.	Observed Time.	W I N D.		Pressure of Steam.		Vacuum in Condensers.		Revolutions per		Mean Pressure.	Indicated Horse Power.	Temperature of			Smoke Numbers.		REMARKS.	
		Force.	Direction.	Boilers.	Engines.	Aft.	Fore.	Hour.	Minute.			Stoke-hole.	Deck.	Base of Funnel.	Maxi-mum.	Aver-age.		
																		Actual.
1	H. M.	3	South	Lbs.	Lbs.	Inches.	Inches.	No.	No.	Lbs.	396'288	Degrees.	Degrees.	Have no thermo-meter graduated high enough.		0	0	1 hour.
2	3 0 p.m.	3	ditto	21	20	28	28	2,304	38'4	6'0	396'288	78	54			0	0	1 "
3	4 0 "	3	ditto	21	20	28	28	2,314	38'56	5'9	391'306	80	54			0	0	1 "
3	5 0 "	3	ditto	21	20	28	28	2,372	39'33	6'5	441'945	78	54			0	0	1 "
4	6 0 "	3	ditto	21	20	28	28	2,374	39'56	6'3	428'672	82	54			0	0	1 "
MEAN		3	-	21	20	28	28	2,341	39'01	6'175	414'552	79'5	54			0	0	1 hour.

Total amount of coal consumed = 7,168 lbs. in 4 hours = 1,792 lbs. per hour = 8'04 per square foot of fire-grate = 4'32 per indicated horse-power.
Total amount of ashes in 4 hours = 728 lbs. = 18'2 lbs. per hour = 10'15 per cent. Fire-grate used 222 square feet.
Common wrought-iron bars used, 1½-inch bars, ⅝ inch apices.
Average density of water in boilers 17°. Distance run = 20'7 knots.
No sail power was used.

Charles W. Hope, Captain.
F. W. Brown, Chief Engineer.

HER MAJESTY'S SHIP "RESISTANCE."

RESULT of Four Hours' Trial with One-half Pumpquort Coal and One-half Mixed Coal.

21st December 1875.

Hours.	Observed Time.	W I N D.		Pressure of Steam.		Vacuum in Condensers.		Revolutions per		Mean Pressure.	Indicated Horse Power.	Temperature of			Smoke Numbers.		REMARKS.
		Force.	Direction.	Boilers.	Engines.	Aft.	Fore.	Hour.	Minute.			Stoke-hole.	Deck.	Base of Funnel.	Maxi-mum.	Aver-age.	
1	H. M.	3	S.W.	21	20	28	28	2,027	33.78	Lbs.	360.228	Degrees.	90	high enough.	2	.916	Mins.
2	8 0 a.m.	3	ditto	21	20	28	28	2,085	34.75	6.2	376.551	89	54		2	1.0	15
3	9 0 "	3	ditto	21	20	28	28	2,163	36.05	6.3	369.555	87	54		2	.75	25
4	10 0 "	3	ditto	21	20	28	28	2,171	36.18	5.96	367.154	88	55		2	.833	20
	11 0 "	3	ditto	21	20	28	28			5.9							
MEAN		3	-	21	20	28	28	2,211.5	35.19	6.09	368.372	88.5	54	Have no thermometer graduated high enough.	2	.874	18.75

Total amount of coal consumed = 10,102 lbs. in 4 hours = 2,525 lbs. per hour = 13'58 per square foot of fire-grate per hour = 6'916 per indicated horse-power.
Total amount of ashes in 4 hours = 2,912 lbs. = 28'57 per cent. Fire-grate used 187 square feet.
Common wrought-iron fire-bars used, 1½-inch bars, ⅝ inch apices.
Average density of water in boilers = 17°. Distance run = 20 knots.
During this trial the mixed coal ran very small.
No sail power was used.

Charles W. Hope, Captain.
F. W. Brown, Chief Engineer.

HER MAJESTY'S SHIP "RESISTANCE."

RESULTS of Four Hours' Trial with all Mixed Coal (2 Welsh and 1 North Country).

21st December 1875.

Hours.	Observed Time.	WIND.		Pressure of Steam.		Vacuum in Condensers.		Revolutions per		Mean Pressure.	Indicated Horse Power.	Temperature of			Smoke Numbers.		REMARKS.
		Force.	Direction.	Boilers.	Engines.	Aft.	Fore.	Hour.	Minute.			Stoke-hole.	Deck.	Base of Funnel.	Maxim.	Average.	
1	H. M.	2	South	Lbs.	Lbs.	Inches.	Inches.	No.	No.	Lbs.	422.976	Degrees.	Degrees.	Have no thermometer graduated high enough.	2	1.083	M/n.
2	2 0 p.m.	2	1½ points on port-bow	21	20	28	28	2,206	36.76	6.5		82	58		2	1.0	15
3	3 0 "	2	ditto	21	20	28	28	2,306	38.43	6.9	456.087	83	57		2		15
4	4 0 "	2	ditto	21	20	28	28	2,156	35.93	6.9	364.617	86	57		2	.833	25
5	5 0 "	2	ditto	21	20	28	28	2,085	33.91	5.8	338.286	84	56	2	.916	15	
MEAN	- - -	2	-	21	20	28	28	2,175.75	36.25	6.275	395.491	83.75	57	2	.958	17.5	

Total amount of coal consumed, = 7,336 lbs. in 4 hours, = 1,834 lbs. per hour, = 9.78 lbs. per square foot of fire-grate per hour, = 4.63 lbs. per indicated horse-power per hour.
Total amount of ashes in 4 hours, = 2,128 lbs. = 29 per cent. Fire-grate used, 187 square feet.
Common wrought iron fire-bars used 14 inch bars, 8 inch spaces.
Average density of water in boilers, = 17°. Distance run, 20.3 knots.
No sail power was used.
Coal ran small.

Charles W. Hope, Captain.
F. W. Brown, Chief Engineer.

HER MAJESTY'S SHIP "RESISTANCE."

RESULTS of Four Hours' Trial with Two-third Pumpquort Coal and One-third Mixed Coal.

21st December 1875.

Hours.	Observed Time.	WIND.		Pressure of Steam.		Vacuum In Condensers.		Revolutions per		Mean Pressure.	Indicated Horse Power.	Temperature of			Smoke Numbers.		REMARKS.
		Force.	Direction.	Boilers.	Engines.	Aft.	Fore.	Hour.	Minute.			Stoke-hole.	Deck.	Base of Funnel.	Maxi-mum.	Average.	
1	H. M. 8 0 p.m.	2	South	Lbs. 21	Lbs. 20	Inches. 28	Inches. 28	No. 2,086	No. 34.76	Lbs. 5.72	341.982	Degrees. 84	Degrees. 53	Have no thermo-meter graduated high enough.	1	583	Min. 25
2	9 0 "	2	ditto	21	20	28	28	2,110	35.16	6.05	365.874	83	53		1	.583	25
3	10 0 "	2	ditto	21	20	28	28	2,217	36.95	5.75	365.435	86	52		1	.583	25
4	11 0 "	2	ditto	21	20	28	28	2,190	36.5	5.73	359.789	87	52		1	.666	20
MEAN		2	-	21	20	28	28	2,150.75	35.84	5.81	358.27	85	52.5	-	1	.603	23.75

Total amount of coal consumed, = 7,448 lbs. in 4 hours, = 1,862 lbs. per hour, = 9.93 lbs. per square foot of fire-grate per hour = 5.19 lbs. per indicated horse-power per hour.
Total amount of ashes in 4 hours, = 980 lbs. = 13.15 per cent. Fire-grate used, 187 square feet.
Common wrought-iron fire-bars used, 14 inch bars, five-eighth inch spaces.
Average density of water in boiler, = 17°. Distance run, 20 knots.
No sail power was used.

Charles W. Hope, Captain.
F. W. Brown, Chief Engineer.

HER MAJESTY'S SHIP "RESISTANCE."

Results of Four Hours' Trial with One-third Pumpport Coal and Two-thirds Mixed Coal.

22nd December 1875.

Hours.	Observed Time.	WIND.		Pressure of Steam.		Vacuum in Condensers.		Revolutions per		Mean Pressure.	Indicated Horse-Power.	Temperature of			Smoke Numbers.		REMARKS.
		Force.	Direction.	Boilers.	Engines.	Aft.	Fore.	Hour.	Minute.			Stoke-hole.	Deck.	Base of Funnel.	Maxi-mum.	Average.	
1	H. M.	3	South 3	Lbs.	Lbs.	Ins.	Ins.	2,066	34.43	L ¹ / ₄ .	408.614	Deg.	Deg.	Have no thermometer high enough.	2	.833	Min. 20 15 20 20 20
2	2 0 a.m.	3	ditto	21	20	28	28	2,259	37.65	6.9	451.363	84	53		2	.916	
3	3 0 "	3	ditto	21	20	28	28	2,135	35.58	6.85	419.203	82	53		2	.833	
4	4 0 "	3	ditto	21	20	28	28	2,162	36.06	6.42	397.857	85	54		2	.833	
	5 0 "	3	ditto	21	20	28	28								2	.853	
MEAN		3	-	21	20	28	28	2,155.5	35.92	6.76	419.259	84.25	53	-	2	.853	18.75

Total amount of coal consumed = 8,064 lbs. in 4 hours = 2,016 lbs. per hour = 10.75 lbs. per square foot of fire-grate per hour = 4.8 lbs. per indicated horse-power per hour.
Total amount of ashes in 4 hours = 1,008 lbs. = 12.5 per cent. fire-grate used 187 square feet.
Common wrought-iron fire-bars used 1 1/4 inch bars, five-eighths inch spaces.
Average density of water in boiler = 17°.
Distance run, 19.3 knots.
No sail power was used.

Charles W. Hope, Captain.
F. W. Brown, Chief Engineer.

HER MAJESTY'S SHIP "RESISTANCE."

SUMMARY of RESULTS of Trials of Coal.

Date of Trial.	Description of Coals.	Force of Wind.	Pressure of Steam in Boilers.	Vacuum.		Revolutions.		Mean Pressure in Cylinders.	Indicated Horse-Power.	Total Ashes in Trial.	Consumption of Coal.				Temperature of			Smoke Numbers.			Density.		REMARKS.
				Aft.	Fore.	Hour.	Minute.				Total.	Per Hour.	Per Square Foot of Fire-grate power per Hour.	Per Indicated Horse-power per Hour.	Stoke-hole.	Base of Funnel.	Deck.	Maxim.	Average.	Time of no Smoke.	Star-board.	Port.	
1875: -	Pumpport coal	3	Lbs. 21	Ins. 28	Ins. 28	234.1	39.01	Lbs. 6.175	414.552	Lbs. 728	Lbs. 1,792	Lbs. 8.04	Lbs. 4.32	Deg. 79.5	Deg. 54.	Deg. 54.	-	4.	17	17			Common wrought-iron fire-bars, 1 1/4 inches; bars, five-eighths inches space.
20 Dec. -	Half Pumpport, half mixed coal.	3	21	28	28	211.5	35.19	6.09	368.372	2,912	2,548	13.58	6.91	88.5	54.	54.	.874	1.25	-	-			
21 Dec. -	All mixed; two-thirds Welsh, one-third North Country.	2	21	28	28	217.5	36.25	6.275	395.491	2,128	1,834	9.78	6.275	83.75	57.	57.	.958	1.16	-	-			
21 Dec. -	Two-thirds Pumpport, one-third mixed coal.	2	21	28	28	215.0	35.84	5.84	358.27	980	1,862	9.93	5.19	85.	Have no thermometer graduated high enough.			1.58	-	-			
22 Dec. -	One-third Pumpport, two-thirds mixed coal.	3	21	28	28	215.5	35.92	6.76	419.259	1,008	2,016	10.75	4.8	84.25	53.	53.	.853	1.25	-	-			

No sail power was used. The fires being bright and light. The slides for admitting air were not worked.

Charles W. Hope, Captain.
F. W. Brown, Chief Engineer.

HER MAJESTY'S SHIP "RESISTANCE."

RESULTS of Eight Hours' Trial with Pumpquort Anthracite Coal.

27th January 1876.

Hour.	Observed Time.	WIND.		Pressure of Steam.		Vacuum in Condenser.		Revolutions per		Mean Pressure.	Temperature in			Smoke Numbers.		Time of no Smoke.	REMARKS.	Quantity used in Tons.
		Force.	Direction.	Boilers.	Engines.	Starboard.	Port.	Hour.	Minute.		Stoke-hold.	Deck.	Base of Funnel.	Maximum.	Average.			
1	H. M. 9 0 a.m.	2	S.S.E.	-	Lbs. 18.5	Lbs. 17.5	Ins. 28	Ins. 28	2,373	39.55	Lbs 7.8	Deg. 82	Deg. 58	0	0	60	The Pumpquort anthracite coal supplied for trial has been used in the following manner:— 22nd November 1875.—During full speed trial it was used in two boilers, and mixed coal in the other two; being burnt in this manner, no reliable tabulated report could be made, but its great inferiority in the appearance of the fires was very apparent 24th November 1875.—Using two boilers, proceeding into Vigo under steam and sail, and after furling sails great difficulty was experienced in getting sufficient steam for want of draughts 20th, 22nd, and 23rd December 1875.—Returns forwarded Used during intervals between trials 27th January 1876.—The fires were bright and active, with the wind a-head; otherwise the generation of steam was considerably diminished	19.9
2	10 0 "	2	S.S.E.	-	19.0	18.0	28	28	2,642	44.03	9.8	83	58	0	0	60		
3	11 0 "	2	S.S.E.	-	17.0	16.0	28	28	2,557	42.61	8.35	85	59	0	0	60		
4	12 0 noon	3	E.S.E.	-	19.0	18.0	28	28	2,727	45.45	9.75	96	61	0	0	60		
5	1 0 p.m.	2	E.S.E.	-	14.0	13.0	28	28	2,461	41.01	7.2	96	60	0	0	60	Thermometer not graduated high enough.	9.2
6	2 0 "	3	E.S.E.	-	16.0	15.0	28	28	2,520	42.0	8.7	94	60	0	0	60		
7	3 0 "	3	E.S.E.	-	15.5	14.5	28	28	2,399	39.98	8.65	94	60	0	0	60		
8	4 0 "	1	N.E.	-	15.0	14.0	28	23	2,460	41.0	8.8	94	60	0	0	60		
MEAN	- - -	2.25	-	-	16.75	15.75	28	28	2,517.375	41.95	8.69	90.5	59.5	0	0	60	Total received	54.635

Total amount of coal consumed, = 21.78 lbs. in eight hours, = 2,723 lbs. per hour, = 14,522 lbs. per square foot of fire-grate per hour, = 4.326 lbs. per indicated horse-power per hour.
Total amount of ashes in eight hours, = 3,136 lbs. Per-centage, = 14.39.
Ten furnaces fitted with common wrought-iron fire-bars, 4 inch apart.
Average density of water in boilers, = 18.3°.
Total amount of grate surface used, = 187.5 square feet.
Total distance run during trial, = 53.3 knots. No sail used.
The fire-bars were arranged as close as possible.

Chas. W. Hope, Captain.
F. W. Brown, Chief Engineer.

Pumpquort
Anthracite Coal.

HER MAJESTY'S SHIP "RESISTANCE."
RESULTS of Seven and a Half Hours' Trial with Two Hoods Merthyr; One Wigan Hartley.
24th February 1876.

Hour.	Observed Time.	WIND.			Pressure of Steam.		Vacuum in Condensers.		Revolutions per		Mean Pressure.	Indicated Horse-power.	Temperature of			Smoke Numbers.		Time of no Smoke.	REMARKS.
		Force.	Actual.	Direction.	Boilers.	Engines.	Star-board.	Port.	Hour.	Minute.			Stoke-hold.	Deck.	Base of Funnel.	Maxim.	Average.		
	H. M.			Relative to Vessel.	Lbs.	Lbs.	Ins.	Ins.			Lbs.		Degs.	Degs.				Min.	
1	9 0 a.m.	0	Calm	- - -	18	17	28	28	2,730	45.5	10.1	790.426	86	60		1	.5	30	
2	10 0 "	1	W.S.W.	3 points on bow	18	17	28	28	2,715	45.25	9.9	770.517	85	60		2	.5	35	
3	11 0 "	1	ditto	- - -	18	17	28	28	2,736	45.6	10.6	831.379	85	61		1	.416	35	
4	2 0 noon	1	ditto	- - -	18	17	28	28	2,719	45.31	10.05	783.228	84	62		1	.583	25	
5	1 0 p.m.	1	West	Right aft	18	17	28	28	2,700	45.0	10.55	816.570	84	62		3	1.333	10	
6	2 0 "	1	ditto	- - -	17	16	28	28	2,628	43.8	8.75	659.190	84	62		2	.563	30	
7	3 0 "	1	ditto	2 points on quarter	16	15	28	28	2,523	42.05	7.6	549.677	84	62		1	.416	35	
7½	3 30 "	1	ditto	- - -	16	15	28	28	1,260	42.0	9.0	650.160	84	62		1	.5	15	
MEAN		.875	-	-	17.375	16.375	28	28	2,668.133	44.31	9.568	731.393	84.5	61.375	-	1.5	.6038	26.875	

Total amount of coal consumed=18,480 lbs. in 7.5 hours=2,464 lbs. per hour=13.14 lbs. per square foot of grate per hour=3.36 lbs. per indicated horse-power per hour.
Total amount of ashes in 7.5 hours, 1,232 lbs. Per centage, 6.66.
Ten furnaces fitted with common wrought-iron fire-bars 8-inch apart.
Average density of water in boilers=16°. Total amount of grate surface used=187.5 square foot. Total distance run during trial=59.2 knots. No sail used. The fire-bars were arranged as close as possible.

Charles W. Hope, Captain.
F. W. Brown, Chief Engineer.

TRIAL OF TRIMSARAN ANTHRACITE COAL.

Trimsaran
Anthracite Coal.

Extract from Officers' Letter.—N. S. 4104—74.

Her Majesty's Dockyard, Portsmouth
(Master Shipwright and Engineer's Department),
21 July 1874.

Sir,

WE have the honour to forward herewith the results obtained with Trimsaran Anthracite at the coal testing boiler.

The firing on the trials was conducted according to directions in the printed circular. From these trials, it would appear that the Greygog Seam is the cleanest coal in burning, although it is stated that the Green Seam is purest. From the results obtained on the above trials, and with reference to our recent report on Anthracite, we are of opinion that the Greygog Seam is a very fair specimen of Anthracite, and might be used mixed, either with Cowpen Hartley, or Powell's Duffryn, but that the Green Seam is unfit for the Service, owing to its containing so much clinker and ash (*vide* columns of these in table of results).

We have, &c.

Wm. Hy. Steil,

J. Elliott,

The Admiral Superintendent.

For Master Shipwright and Engineer on
leave.

Forwarded,

F. L. McClintock,

Admiral Superintendent.

21 July 1874.

SPECIAL TRIALS of Trimsaran Anthracite Coal.

Date of Trial.	Coals used in Trial.	DESCRIPTION OF COAL.	Number of lbs. of Water evaporated by 1 lb. of Coal, calculated from the Temperature of 100°.	Number of lbs. of Water evaporated per Square Foot of Fire-grate per Hour, calculated from the Temperature of 100°.	Per-centage of Clinker and Ash.			Smoke Numbers.			Number of lbs. of Coal burnt per Square Foot of Firegrate per Hour.	Deposit of Soot.	Cinders re-burnt.	Temperature in Funnel.	Draught in Funnel.	REMARKS.
					Clinker.	Ash.	Total.	Maximum.	Average.	Per-centage of Time of no Smoke.						
1874: 8 July	Cwts. 10½	Trimsaran Anthracite, Greygog Seam.	9·64	158·45	·85	1·61	2·46	-	No smoke	-	19·88	Lbs. 7	Lbs. 124	Deg 58½	In. 13	Length of firegrate = 4 feet. Area over bridge = 170 square inches. Ordinary wrought iron fire-bars, half-inch spaces - ditto, 7-16 in. spaces
9 "	- 10½	Trimsaran Anthracite, Greygog Seam.	9·58	159·31	1·70	1·53	3·23	-	No smoke	-	19·09	7	66	597	13	- ditto - ditto.
10 "	- 10½	Two-thirds Trimsaran, Greygog Seam; one-third Cowpen Cambois Hartley.	9·19	204·84	1·95	1·95	3·90	3	1·82	3·61	26·25	7	50	701	13	- ditto - ditto.
11 "	- 10½	Two-thirds Trimsaran, Greygog Seam; one-third Powell's Duffryn.	9·60	197·52	2·21	2·04	4·25	-	No smoke	-	21·68	8	48	703	13	- ditto - ditto.
13 "	- 10½	Trimsaran Anthracite, Green Seam.	8·42	126·42	10·20	4·76	14·96	-	No smoke	-	13·94	8	31	522	13	- ditto - ditto.
14 "	- 10½	Two-thirds Trimsaran, Green Seam; one-third Cowpen Cambois Hartley.	8·36	175·23	6·29	3·57	9·86	2	·77	44·03	19·88	8	25	699	13	- ditto - ditto.
15 "	- 10½	Two-thirds Trimsaran, Green Seam; one-third Powell's Duffryn.	8·72	162·67	5·78	3·40	9·18	-	No smoke	-	18·67	8	30	697	13	- ditto - ditto.
16 "	- 10½	One-half Trimsaran, Greygog Seam; one-half Trimsaran, Green Seam.	8·78	130·02	5·95	3·40	9·35	-	No smoke	-	16·47	7	38	501	13	- ditto - ditto.
17 "	- 10½	One-third, Trimsaran, Greygog Seam; one-third Trimsaran, Green Seam; one-third Cowpen Cambois Hartley.	8·68	182·30	3·40	2·64	6·04	2	·92	25·42	23·01	8	29	715	13	- ditto - ditto.
18 "	- 10½	One-third Trimsaran, Greygog Seam; one-third Trimsaran, Green Seam; one-third Powell's Duffryn.	9·13	168·41	5·02	3·82	8·34	-	No smoke	-	21·26	8	33	702	13	- ditto - ditto.
10 June	- 10½	Powell's Duffryn	9·58	229·08	1·78	2·81	4·59	-	No smoke	-	24·70	9	37	722	13	- ditto, ½-in. spaces.
11 "	- 10½	Cowpen Cambois Hartley.	7·66	236·41	2·47	2·30	4·77	-	Dark brown	-	30·27	8	34	787	13	- ditto - ditto.

Portsmouth Yard.

Wm. Hy. Steil,
Engineer Assistant.J. Elliott,
For Master Shipwright and Engineer.

Respecting Test of Coal from the Trimsaran Coal Company.

(N. S. 4771—75.)

Sir,

Portsmouth Yard, 2 November 1875.

WE have the honour to forward herewith the results obtained at the coal-testing boiler here on the trials of the mixtures of Anthracite and bituminous coals sent in by the Trimsaran Coal Company. Two 10½ cwt. trials of each were made to determine the best mode of firing with it, and two one-ton trials subsequently in order to get an average result.

From these results it will be observed that although the evaporation per pound of fuel is equal to that of good Welsh steam coal, the evaporation per square foot of grate per hour is considerably lower, and further the amount of cinders reburnt is much greater. If any considerable advantage in price could be gained by the adoption of these fuels, we think No. 1 might be used in cases where full power was not required, but No. 2 is too slow burning for general ship purposes, and also produces too much cinder (*vide* columns of cinders burnt).

The Admiral Superintendent.

We have, &c.

Wm. Henry Steil, Chief Engineer.

First Assistant (on duty.)

2 November 1875.

Forwarded,

F. L. McClintock,
Admiral Superintendent.

SPECIAL TRIALS of Trimsaran Mixed Coal.

					Weight of, in Air.		Block in Water.		Specific Gravity.								
					Lbs. oz.		Lbs. oz.										
Trimsaran Mixed Coal, No. 1.					{ Anthracite Coal Bituminous Coal		{ 4 0 3 3		{ 1 0 0 11		{ 1.33 1.27		{ Specific Gravity of Mixture, 1.31.				
Trimsaran Mixed Coal, No. 2					{ Anthracite Coal Bituminous Coal		{ 4 7 4 4		{ 1 2 1 2		{ 1.34 1.36		{ Specific Gravity of Mixture, 1.35.				

DATE OF TRIAL.	Coals used in Trial.	DESCRIPTION OF COAL.	Number of lbs. of Water evaporated by 1 lb. of coal, calculated from the Temperature of 100°	Number of lbs. of Water evaporated per Square Foot of Fire-grate per Hour, calculated from the Temperature of 100°.	Per-centage of Clinker and Ash.			Smoke Numbers.			Number of lbs. of Coal burnt per Square Foot of Firegrate per Hour.	Deposit of Soot.	Cinders re-burnt.	Temperature in Funnel.	Draught in Funnel.	REMARKS.
					Clinker.	Ash.	TOTAL.	Maximum.	Average.	Per-centage of Time of no Smoke.						
1875 : 12 October	Cwts. 10½	Trimsaran Mixed Coal, No. 1.	9.11	190.80	1.53	2.04	3.57	1	.25	77.95	22.40	7	60	641	0.3	Length of firegrate = 4 feet. Area over bridge = 170 square inches. Common wrought-iron fire-bars 7/8-in. spaces. No smoke consumers used. Thin fires.
13 ,,	10½	- ditto - ditto -	9.29	196.00	1.61	1.95	3.56	1	.5	53.96	23.33	8	54	651	0.2	Length of firegrate = 4 feet. Area over bridge = 170 square inches. Common wrought-iron fire-bars 7/8-in. spaces. No smoke consumers used. Thick fires.
14 ,,	20	- ditto - ditto -	9.37	190.63	1.43	1.52	2.95	1	.18	85.62	22.07	13	103	649	0.2	- ditto - - ditto.
15 ,,	20	- ditto - ditto -	9.39	189.58	1.34	1.29	2.63	1	.53	50.23	20.98	14	110	653	0.2	- ditto - - ditto.
18 ,,	10½	Trimsaran Mixed Coal, No. 2.	9.12	175.93	2.55	1.61	4.16	1	.10	94.54	21.00	7	70	607	0.3	Length of firegrate = 4 feet. Area over bridge = 170 square inches. Common wrought-iron fire-bars 7/8-in. spaces. No smoke consumers used. Thin fires.
19 ,,	10½	- ditto - ditto -	9.32	186.20	1.95	1.53	3.48	1	.09	95.00	21.82	7	60	643	0.3	Length of firegrate = 4 feet. Area over bridge = 170 square inches. Common wrought-iron fire-bars 7/8-in. spaces. No smoke consumers used. Thick fires.
20 ,,	20	- ditto - ditto -	9.36	179.62	2.45	1.61	4.06	1	.03	98.86	20.59	14	120	636	0.2	- ditto - - ditto.
21 ,,	20	- ditto - ditto -	9.40	178.59	1.92	1.61	3.53	1	.04	97.50	20.00	14	132	637	0.2	- ditto - - ditto.

TRIAL OF CAPEL IFAN STEAM COAL.

Capel Ifan Steam
Coal.

Extract from Officers' Letter.—N. S. 3555—75.

Her Majesty's Dockyard, Portsmouth
(Master Shipwright and Engineer Department),
1 September 1874.

Sir,

WITH reference to your memorandum we have the honour to report that we have tried the coal (Capel Ifan Anthracite) therein referred to, and to forward herewith the results of the trials made at the coal-testing boiler. From these we are of opinion that this is a good serviceable coal, mixed with either Powell's Duffryn or Cowpen Hartley, and would also answer very well by itself with a larger area of firegrate than at present allowed, also, with the present proportions of firegrate, we believe it would be found economical at slow speeds.

We beg to state, the coal burns away gradually with a great heat, is entirely smokeless, and emits no sparks, but we do not attribute this so much to its increased density, which, as well as its stowage, is from 6 to 7 per cent. greater than Powell's Duffryn, as to its manner of burning.

We have, &c.

W. B. Robinson,
Master Shipwright and Engineer.
Wm. Henry F. Steil,
Engineer Assistant.

The Admiral Superintendent.

Forwarded,

2 September 1874.

F. L. M^cClintock,
Admiral Superintendent.

SPECIAL TRIALS of Capel Ifan Anthracite Coal.

DATE OF TRIAL.	Coals used in Trial.	DESCRIPTION OF COALS.	Number of lbs. of Water evaporated by 1 lb. of Coal, calculated from the Temperature of 100°.	Number of lbs. of Water evaporated per Square Foot of Firegrate per Hour, calculated from the Temperature of 100°.	Per-centage of Clinker and Ash.			Smoke Numbers.			Number of lbs. of Coal burnt per Square Foot of Firegrate per Hour.	Deposit of Soot.	Cinders re-burnt.	Temperature in Funnel.	Draught in Funnel.	REMARKS.
					Clinkers.	Ash.	TOTAL.	Maximum.	Average.	Per-centage of Time of no Smoke.						
1874 : August	Cwts. 10½	Capel Ifan Anthracite.	6.33	177.46	1.78	1.95	3.73	-	No smoke	-	21.68	Lbs. 7	Lbs. 40	Deg. 707	In. 0.02	Length of firegrate = 4 feet. Area of bridge = 170 square inches. Ordinary wrought-iron firebars, ½-in. spaces.
19 "	10½	Two-thirds Capel Ifan Anthracite; one-third Powell's Duffryn.	9.38	198.06	2.30	2.12	4.42	-	ditto	-	22.25	8	38	774	0.02	- ditto - - ditto
20 "	10½	Two-thirds Capel Ifan Anthracite; one-third Cowpen Cambois Hartley.	8.96	206.35	2.04	2.04	4.08	3	1.69	7.81	24.70	8	37	803	0.02	- ditto - - ditto
10 June -	10½	Powell's Duffryn (Cargo Trial ex "Brittany").	9.58	229.08	1.78	2.81	4.59	-	No smoke	-	24.70	9	37	722	13/32	Length of firegrate = 4 feet. Area of bridge = 170 square inches. Ordinary wrought-iron firebars, ½-in. spaces.
24 July -	10½	Cowpen Cambois Hartley (Cargo Trial ex "Benwell").	8.10	239.40	1.70	2.04	3.74	6	2.84	2.5	29.22	8	33	796	3/32	- ditto - - ditto

Portsmouth Dockyard,
1 September 1874.

W. B. Robinson,
Master Shipwright and Engineer.
Wm. Henry Steil,
Engineer Assistant.

Capel Ifan
Anthracite Coal.

CAPEL IFAN ANTHRACITE COAL, TRIAL OF.

(N. S. 3555—75.)

Her Majesty's Dockyard, Portsmouth
(Master Shipwright and Engineer's Department),
28 January 1875.

Sir,

WE have the honour to report that we have tried the Capel Ifan Anthracite coals at the iron foundry boilers, with the results shown in the accompanying Tables.

For the trial of Top Hard, the coals usually used for land engines, we have inserted the table of results obtained in September last with the 2 feet 6 inch firegrate, as with the 5 feet grate; the result in favour of Anthracite is greater, but not a fair comparison.

It will be seen from these tables that, in steaming, the Anthracite evaporates 10·46 lbs. of water per lb. of fuel, while the Top Hard evaporates 7·4 lbs., showing a gain by the use of Anthracite, of about 41 per cent.; but taking the total quantity of coal used, both in raising steam and steaming, the evaporation becomes respectively 8·08 and 6·75; or a gain in favour of Anthracite of about 18 per cent. It will be observed that, for burning the Anthracite, the firegrate area has been double that for Top Hard, but we believe from the results of these trials this area can be reduced, and steam still be well kept, and more economically. We have further tried the coal at the 80 horse-power boilers in comparison with Top Hard, and the results obtained show a saving of from 20 to 25 per cent., which we believe will be increased by further experience on the part of the men.

We are therefore of opinion that this coal, *i. e.*, Anthracite, may be used in lieu of Top Hard on the majority of our yard engines, with advantage; of course, if Powell's Duffryn or any other good Welsh steam coal were used similarly, good results would follow, but the use of the Anthracite would open up a larger field.

We have, &c.
W. B. Robinson,
Master Shipwright and Engineer.
Wm. Henry Steil,
Engineer Assistant.
F. L. M'Clintock,
Admiral Superintendent.

The Admiral Superintendent.

Forwarded,

28 January 1875.

TABLE showing Results of Trial of same Boiler; the Coal used being Capel Ifan Anthracite;
Length of Fire-bars, 5 feet.

DATE OF TRIAL.	Mean Temperature of				Mean Excess of Tempe- rature of Stoke- hole over that of Atmo- sphere.	Mean Height of Water in Gauge	Mean Water Pressure.	Time to get up Steam.	Coal used raising Steam.	Coal used Steaming.	Water Evapo- rated.	Water Evapo- rated per lb. of Fuel Steaming.	Water Evapo- rated per lb. of Fuel used whole Day.
	Feed.	Steam.	Atmo- sphere.	Stoke- hole.									
	Degs.	Degs.	Degs.	Degs.	Degs.	Ins.	Lbs.	Mins.	Lbs.	Lbs.	Lbs.	Lbs.	
0 Dec. 1874 -	121	306	38	64	26	8	58	45	532	1,624	18,400	11·33	Raising steam and steaming.
1 " "	125	309	46	67	21	8	60	51	504	1,568	15,920	10·15	
2 " "	106	302	43	63	20	8	53	44	448	1,512	17,380	11·49	
4 " "	111	314	37	58	21	8	60	50	672	2,072	21,050	10·16	
5 " "	122	309	32	56	24	8	57	43	448	1,960	19,650	10·02	
6 " "	132	309	35	58	23	8	58	35	504	1,904	19,800	10·40	
7 " "	126	311	34	59	25	8	63	30	448	2,016	19,700	9·77	
8 " "	125	307	36	60	24	8	60	35	448	1,960	21,000	10·71	
Means -	121	308	38	60	32	8	59	42	-	-	-	10·46	
TOTALS -	-	-	-	-	-	-	-	-	4,304	14,616	152,900	-	8·08

W. B. Robinson,
Master Shipwright and Engineer.
Wm. Henry Steil,
Engineer Assistant.

TABLE showing Result of Trial of Boiler coated with Four thicknesses of Felt and an outer Casing of Sheet Iron.—Coals used, Top Hard.—Length of Fire-bars, 2 feet 6 inches.

DATE OF TRIAL.	Mean Temperature of				Mean Excess of Temperature of Stoke- hole over that of Atmo- sphere.	Mean Height of Water in Gauge.	Mean Water Pressure.	Time to get up Steam.	Coal used raising in Steam.	Coal used in Steaming.	Water Evapo- rated. of Fuel Steaming.	Water Evapo- rated per lb. of Fuel used whole Day.	Lbs.
	Feed.	Steam.	Atmo- sphere.	Stoke- hole.									
	Degs.	Degs.	Degs.	Degs.	Degs.	Ins.	Lbs.	Mins.	Lbs.	Lbs.	Lbs.	Lbs.	Lbs.
3 Oct. 1874 -	132	334	58	76	18	8	61.0	24	224	2,408	17,590	7.30	Raising Steam and Steaming.
5 " " -	122	329	56	73	17	8	59.5	37	336	2,644	19,360	7.32	
6 " " -	132	334	56	72	16	8	58.4	21	224	2,492	18,820	7.55	
7 " " -	137	334	59	74	15	8	59.0	25	224	2,688	19,710	7.33	
8 " " -	125	331	55	72	17	8	58.0	32	224	2,520	18,970	7.52	
9 " " -	131	330	58	75	17	8	60.0	22	227	2,408	17,850	7.41	6.75
Means -	129.8	332	57	73.6	16.6	8	59.3	27	-	-	-	7.4	
TOTALS -	-	-	-	-	-	-	-	-	1,459	15,160	112,300		

W. B. Robinson,
Master Shipwright and Engineer.

Wm. Henry Steil,
Engineer Assistant.

CAPEL IFAN ANTHRACITE COAL, TRIAL OF.

Extract from Officers' Letter.—N. S. 3555—75.

Her Majesty's Dockyard, Portsmouth,
28 January 1875.

Sir,

WE have the honour to report that we have tried this coal in our yard boilers with economical results as compared with Top Hard, although as compared with Powell's Duffryn the results would be about the same in this respect. On the yard boilers the rate of burning was about 14 lbs. per square foot of grate per hour; but as we are of opinion from the trials that the grates can be reduced, this rate of burning would be proportionately increased.

From the trials at the coal-testing boiler, this coal appears to be very like Pumpquort, and the same results on board ship would probably be obtained.

We also find that to burn this fuel to the best advantage it should never be put on the fires in pieces larger than a cube of four inches in the side, the fires should be kept thin without holes, and fire-bars evenly spaced, and the coal allowed to burn without disturbing it with the rake, which always spoils its burning.

We would, therefore, recommend that in working the engines they should be so throttled as to keep the working pressure, or nearly, of steam in the boilers.

As this coal takes a longer time than ordinary to light up, North Country should be used with it for this purpose.

The Admiral Superintendent.

28 January 1875.

We have, &c.

W. B. Robinson,
Master Shipwright and Engineer.

Wm. Henry Steil,
Engineer Assistant.

Forwarded,

F. L. McClintock,
Admiral Superintendent.

REPORTING on Capel Ifan Anthracite Coal.

(N. S. 3555—75.)

Sir,

Her Majesty's Ship "Fox," Devonport,
18 August 1875.

WITH reference to Admiralty Letter, relative to 100 tons of Capel Ifan Anthracite coal being supplied to this ship for trial, I beg leave to report on the same as follows:—

The Capel Ifan coal is perfectly smokeless, and, burning alone, the results were slightly inferior to ordinary Welsh coal.

Mixed with North Country coal in the proportion of two-thirds' Capel Ifan coal and one-third North Country, or bituminous coal, the results were slightly inferior to good Welsh coal burning alone.

An objection to this fuel is the fusing of the furnace bars.

I have, &c.

Henry C. Jones, Chief Engineer.

Staff Commander J. G. Dathan,
Her Majesty's Ship "Fox."

Approved and forwarded,

Joseph G. Dathan,
Staff Commander, in Command.

"Fox." REPORT on Capel Ifan Anthracite Coal.

(No. 1529.)

"Royal Adelaide," Hamoaze, 19 August 1875.

SUBMITTED for the information of the Lords Commissioners of the Admiralty.

Henry Keppel, Admiral.

The Secretary of the Admiralty.

TRIAL OF HARD STEAM (YORKSHIRE) COAL.

Hard Steam
(Yorkshire) Coal

(N. S. 701—75.)

Her Majesty's Dockyard, Portsmouth
(Master Shipwright and Engineer's Department),
28 January 1875.

Sir,

WITH reference to your memorandum of the 28th, on Superintendent of Stores' Letter of the 21st ultimo, N. S. 6018—13,287, we have the honour to forward herewith a form showing the results obtained with trials of the coal therein referred to in comparison with Top Hard, remarking that the results obtained with this latter are a little below the average for this kind of coal. From these results, we are of opinion that the coal from the Victoria Colliery is a good hard coal, and may be used in lieu of Top Hard if any advantage would be gained in price thereby.

We have, &c.

W. B. Robinson,

Master Shipwright and Engineer.

Wm. Hy. Steil,

Engineer Assistant.

The Admiral Superintendent.

Forwarded,

F. L. M'Clintock,

Admiral Superintendent.

28 January 1875.

SPECIAL TRIALS of Victoria Colliery and Top Hard Coals.

Date of Trial.	Coal used in Trial.	DESCRIPTION OF COALS.	Number of Lbs. of Water evaporated by 1 lb. of Coal, calculated from the Temperature of 100°.	Number of Lbs. of Water evaporated per Square Foot of Fire-gate per Hour, calculated from the Temperature of 100°.	Per-centage of Clinker and Ash.			Smoke Numbers.			Number of Lbs. of Coal burnt per Square Foot of Firegate per Hour.	Deposit of Soot.	Cinders Re-burnt.	Temperature in Funnel.	Draught in Funnel.	REMARKS.
					Clinker.	Ash.	Total.	Maximum.	Average.	Per-centage of Time of no Smoke.						
1875: 6 January	Cwt. 10½	Victoria Colliery -	7.49	227.46	2.38	1.78	4.16	6	4.05	2.50	28.47	Lbs. 8	Lbs. 35	Deg. 727	In. 3	Length of firegrate= feet. Area over bridge 170 square inches = Common fire-brick used; ½-in. spaces.
7 "	10½	Victoria Colliery -	7.80	221.65	2.12	1.95	4.07	5	2.40	8.54	28.47	7	30	724	3	No smoke consumed.
8 "	10½	Two - thirds Powell Duffryn; one-third Victoria Colliery.	8.49	220.02	2.89	2.98	5.87	4	1.48	30.00	23.17	9	38	736	3	Slides in furnace door half opened alternately after firing.
9 "	10½	Two - thirds Powell Duffryn; one-third Victoria Colliery.	8.44	215.78	3.06	2.89	5.95	3	1.04	43.54	23.33	8	32	731	3	Ditto - ditto.
11 "	10½	Top Hard -	7.13	230.37	1.95	1.70	3.65	6	1.62	25.45	30.27	7	26	698	3	No smoke consumed.
12 "	10½	Top Hard -	7.07	219.14	1.53	1.70	3.23	4	1.17	26.00	30.54	7	22	705	3	Ditto - ditto.
13 "	10½	Two - thirds Powell Duffryn; one-third Top Hard.	8.40	220.02	2.47	2.64	5.11	3	.87	22.50	22.86	8	34	710	3	Smoke slides in furnace doors fully opened alternately after firing.
14 "	10½	Two - thirds Powell Duffryn; one-third Top Hard.	8.00	215.60	2.55	2.55	5.10	2	.42	60.00	23.17	8	33	707	3	Ditto - ditto.

Portsmouth Yard,
28 January 1875.

W. B. Robinson,
Master Shipwright and Engineer.
W. H. S.,
Engineer Assistant.

SANDY POINT COAL.

Sandy Point Coal.

(N. S. 1331—75.)

REPORT on Coal taken in at *Sandy Point*.Her Majesty's Ship, "Albatross," Coquimbo,
12 February 1875.

Sir,

As on the arrival of Her Majesty's ship under my command at Sandy Point on the 26th December last, I was much in want of coal, in view of the probable time the ship would be detained in the Straits of Magellan searching for the Diamond Rock, &c., and as the Governor of the colony informed me that a new mine had just been opened, I purchased 48 tons, and beg to forward a report on the same with reference to Standing Order, No. 9, of the 25th June 1873.

2. There is no doubt the coal we received was surface coal, and the quality will probably improve as they get deeper into the vein; but at present it is decidedly better for ships to take firewood at Sandy Point in preference to this coal.

I have, &c.

Ernest Rice,

Commander.

Rear Admiral the Hon Arthur A. Cochrane, C.B.,
&c., &c., &c.,
Commander in Chief.

Her Majesty's Ship "Albatross," Coquimbo,
12 February 1875.REPORT on Coal received on the 28th December 1874 from a Mine recently opened at
Sandy Point, Straits of Magellan.

DESCRIPTION OF COAL.	Quality in Numbers.	Generation of Steam.	Emission of Smoke.	Rate of Combustion.	Per- centage of Ash and Clinker.	REMARKS.
Sandy Point - -	3	Very bad -	Moderate	Quick -	26.4	The Sandy Point coal is very small, and crumbles to dust with the least movement. When burnt by itself, great difficulty is found in preventing it from passing through the fire-bars; and when mixed with other coal, the deposit of clinker on the fire-bars is so great, that the fires require constant cleaning.
Two-thirds Sandy Point; one-third English.	4	Bad - -	Fair -	Very quick	20	Having burnt the coal by itself, and also mixed with British coal, I am of opinion that it is of one-third the value of Welsh coal for steaming purposes, of little use for culinary purposes, and, as at present supplied, unfit for Her Majesty's Service.
One-half Sandy Point; one-half English.	5	Indifferent	Slight -	Quick -	21.1	—

Alexander Purvis, Engineer.

Approved,

Ernest Rice, Commander.

COMPRESSED FUEL.

Compressed Fuel.

(N. S. 977—75.)

Her Majesty's Ship "Favorite," Queensferry,
24 February 1875.

Sir,

I HAVE the honour to report that after the full power trials, as per accompanying form, of compressed fuel from Seafield Works, near Bathgate, on board Her Majesty's gunboat "Tyrian," I find as follows:—

That the compressed fuel burned alone compares favourably with the mixed coal used (Ynysfaio, Merthyr, Sqwborrowen, and Cowpen Hartley) in steam generative power, and that when mixed with coal it may be used with better results, the improvement I consider being due to the North Country coal, and not to an admixture of Welsh coal. The compressed fuel is slow burning, and consequently sluggish in raising steam, but when once the fires are well burned up the labour of stoking is comparatively easy.

The smoke produced is similar to that produced from good Welsh coal, brown for a few seconds after stoking, when it gradually passes away to nil.

The ashes produced are in excess of the quantity produced from three-fourths Welsh and one-third North Country coal, which in my opinion would be remedied by using with the fuel a small quantity of North Country coal. The greater part of the ashes being unconsumed could be burned under easy steaming.

I am of opinion that the smoke from the compressed fuel would not readily soot up the tubes as other patent fuels do, there being no indications of soot after the trials. The compressed fuel in its present form, bricks weighing 10½ lbs., presents great facilities for moving it about either to coal ship or remove from the bunkers to the stokehold, more especially in a small vessel where few hands are employed men can easily pass from hand to hand six tons per hour.

The compressed fuel, if packed by hand in the bunkers will occupy 30 cubic feet per ton, and if thrown in nearly 60 cubic feet. The bricks of fuel were found to burn well in the furnaces of the "Tyrian" when broken in two or three pieces, but in a large square-built furnace a great number of bricks might be burned to advantage whole after the fires are well burned up.

I have, &c.

Captain L. E. H. Somerset,
Her Majesty's Ship "Favorite."

W. Miller,
Chief Engineer.

HER MAJESTY'S SHIP "TYRIAN."

REPORT of Full Power Trial at Sea.

Date of Trial	2 Feb. 1875	3 Feb. 1875	17 Feb. 1875	18 Feb. 1875	19 Feb. 1875.
Where the Trial took place	Firth of Forth.				
Draught of Water	7 ft. 6 in.	7 ft. 6 in.	7 ft. 6 in.	7 ft. 6 in.	7 ft. 6 in.
	8 ft. 0 in.	8 ft. 0 in.	8 ft. 0 in.	8 ft. 0 in.	8 ft. 0 in.
Duration of Trial, in hours	6 hours	6 hours	6 hours	6 hours	6 hours.
Total distance run by hand log	43·65	41·45	44·6	46·	42·65
Average Speed	7·275	6·908	7·4	7·66	7·11
Average Number of Revolutions per Minute	130·6	131·	138·3	136·62	135·
Mean Pressure by Indicator	32·47	33·95	33·19	36·39	34·56
Average Indicated Horse Power	144·83	152·98	171·16	170·	160·9
Total Consumption of Coal during Trial	48	47·72	53·6	51·37	46·1
Consumption per Indicated Horse Power, per hour	6·187	5·82	5·84	5·64	5·35
Consumption per Knot	123·16	128·94	134·6	125·	121·
Description of Coal used	Compressed fuel	½ Welsh, and ½ North Country.	Compressed fuel	½ Compressed fuel, ½ mixed coal.	¾ Fuel, ¼ mixed coal.
Wind	Force 2 to 4	2 to 4	1 to 3	1 to 3	1 to 3.
	Direction Various	Various	Various	Various	Various.
Height of Steam Gauge	53 lbs.	41·8 lbs.	42·2 lbs.	41 lbs.	40·5 lbs.
State of the Sea	Smooth	Smooth	Smooth	Smooth	Smooth.
Ashes per Cent. made during run	10·	8·63	12·4	7·97	11·93
Emission of Smoke	Very light brown	Very light brown	Light brown	Very light brown	Very light brown.

Note.—First trial marred through an imperfect knowledge of the fuel and indifferent stoking during the first hour and a half. Second trial all that could be wished. Third trial would have been better if the fuel had been of the same quality, but there being not quite three tons of the best fuel at the works Mr. Addie's man sent a portion of an indifferent quality. Fourth trial very good. Fifth trial the steam was let down on changing the watch of stokers which took some time to remedy.

William Miller, Chief Engineer of the Ship.

Extract from Letter. N. S. 977—75.

Forwarding Report of Trials of "Compressed Fuel" in Her Majesty's Ship "Tyrian."

Sir,

"Favorite," Queensferry, 28 February 1875.

I BEG to forward the Report of the various trials of the "Compressed Fuel" in Her Majesty's ship "Tyrian," carried out under the superintendence of the chief engineer of this ship in accordance with their Lordships' directions.

The success of this trial on a small scale seems to make it desirable it should be tried in a larger

a larger ship. I would therefore submit some 150 or 200 tons might be supplied to the "Favorite" for the summer cruise.

The additional quantity that could be stowed, and its slow burning, would be of great use to a ship like this, that has a large consumption of fuel.

There is no doubt there is great convenience in the size of the bricks, which enable it to be easily handled and stowed. It would be useful for the tenders, where it could be stacked on deck without much inconvenience, as in the trials on board the "Tyrian."

It will be observed in the "Remarks of the Officers" in the Report, that an inferior quality is manufactured, some of the second supply containing fuel of an inferior quality.

At my request the chief engineer, Mr. Miller, visited the works at Bathgate, and saw the whole process of manufacture. He informs me that "there is no doubt it is first-rate stuff," which would be a great acquisition, provided all supplied were of the same quality, but there are great facilities for adulteration.

I have, &c.

Leveson E. H. Somerset,

District Captain.

Extract from Officer's Letter. N. S. 1490—75.

PATENT FUEL.—Crown, Diamond, and Pender's.

Her Majesty's Dockyard, Portsmouth.

8 April 1875.

Sir,

WE have the honour to forward herewith the results of the trials at the coal-testing boiler with the fuels therein mentioned.

On referring to these results it will be observed that the per-centage of refuse is high in all of them, more especially so in Pender's; in this fuel the smoke numbers are also high.

On comparing the columns showing the evaporation per pound of fuel, the Crown and Diamond patent fuels are practically alike, and they are about equal to good Welsh coal in regard to evaporation and burning per square foot of grate, while Pender's more nearly approximates to the North Country coal in these respects.

With regard to the remark in Messrs. Clares' letter of 3rd December last, referred to in N. S. 5853—10,365, that their fuel retains its form during the process of combustion, the fuel supplied us was in rectangular blocks $9\frac{1}{2}'' \times 5\frac{1}{2}'' \times 4\frac{3}{8}''$, and consequently had to be broken up for firing, but we were given to understand by their agent, who was present at the first trials, that it was their intention to make the fuel up into small spheres of about 2'' diameter, comment on the suitability of which for ship purposes is unnecessary.

In regard to their remark as to stowage, &c., the following are the dimensions and weights of a block of each of the different kinds of patent fuel compared with Welsh coal:—

NAME OF FUEL.	Dimensions in Inches.	Weight in Lbs.	Weight in Lbs. per Cubic Foot.
Crown Patent - - -	$12\frac{5}{8}'' \times 10\frac{3}{8}'' \times 10\frac{3}{8}''$	56	71·2
Diamond - - -	$9\frac{1}{2}'' \times 5\frac{1}{2}'' \times 4\frac{3}{8}''$	$9\frac{3}{4}''$	73·7
Pender's - - -	$9'' \times 6'' \times 4''$	$10\frac{9}{10}''$	84·5

Welsh coal, allowing 40 cubic feet to the ton, 56 for stowage; a slight per-centage would have to be taken from the weights of patent fuels to allow for the spaces left in stowage against irregular surfaces.

As to the suitability for tropical climates of the Diamond Patent Fuel, we may remark that the agent of the Crown Preserved Fuel Company, on a recent visit here, stated he did not expect their fuel to answer so well as ordinary fuel in England, but its principal recommendation was its more compact stowage, and superior lasting qualities in tropical climates or exposed situations, and we would recommend that, say, 50 tons of each of the three kinds of fuel herein referred to should be purchased for use in one of the small vessels on some foreign station, when they should be stowed for some time previous to issue, together with the ordinary coal used at present, and their value as compared with the latter, after being subjected to a tropical climate for some time, ascertained.

W. B. Robinson, Chief Constructor.

Wm. Hy. Steil, Chief Engineer.

Forwarded.

F. L. McClintock,

Admiral Superintendent.

9 April 1875.

The Admiral Superintendent.

Compressed Fuel.

SPECIAL TRIALS of Diamond Patent Fuel.

DATE OF TRIAL.	Coal used in Trial.	DESCRIPTION OF COAL.	Number of Lbs. of Water evaporated by 1 lb. of Coal, calculated from the Temperature of 100°.	Number of Lbs. of Water evaporated per Square Foot of Fire-grate per Hour, calculated from the Temperature of 100°.	Per-centage of Clinker and Ash.			Smoke Numbers.			Number of Lbs. of Coal Burnt per Square Foot of Fire-grate per Hour.	Deposit of Soot.	Cinders Re-burnt.	Tempera- ture of Funnel.	Draught in Funnel.	REMARKS.
					Clinker.	Ash.	TOTAL.	Maxi- mum.	Average.	Per- centage of no Smoke.						
20 Jan. 1875	Cwt. 10½	Diamond Patent Fuel -	8.55	186.68	4.25	3.23	7.48	2	.49	58.33	19.65	9	37	695	¾	Length of fire-grate, 4 feet. Area over bridge, 170 square inches. No smoke consumers used. Thick fires. Fuel used in rather large pieces, about 4-inch cubes.
21 Jan. "	0½	Ditto - - ditto -	8.61	196.22	4.08	3.40	7.48	2	.58	48.33	20.74	9	33	707	¾	Ditto - - - ditto. Thin fires. Fuel broken up smaller, from 2 to 3-inch cubes.
11 Feb. "	10½	Ditto - - ditto -	8.66	214.10	4.08	3.23	7.31	2	.65	43.33	23.66	8	33	701	¾	Ditto - - - ditto. Thick fires.
18 Feb. "	10½ { ¾ Diamond Patent Fuel - ¾ Cowpen Cambois Hartley		8.25	224.61	3.57	3.32	6.89	4	1.52	36.00	24.89	9	33	751	½	Ditto - - - ditto - ditto.
19 Feb. "	10½	Cowpen Cambois Hartley -	7.40	236.51	2.64	2.12	4.76	5	3.49	6.25	30.54	8	36	783	¾	Ditto - - - ditto - ditto.
12 Feb. "	10½	Diamond Patent Fuel -	8.74	125.71	4.25	3.83	8.08	3	.83	34.17	15.00	9	39	535	½	Ditto - - - ditto. Damper in funnel ½ open only. Thin fires.
15 Feb. "	10½ { ¾ Diamond Patent Fuel - ¾ Cowpen Cambois Hartley		8.50	126.08	4.25	3.74	7.99	3	1.24	36.67	15.00	9	36	547	½	Ditto - - - ditto - ditto.
13 Feb. "	10½ { ¾ Diamond Patent Fuel - ¾ Cowpen Cambois Hartley		8.28	120.76	3.83	3.83	7.66	3	1.48	21.11	15.00	9	36	525	½	Ditto - - - ditto - ditto.
16 Feb. "	10½	Cowpen Cambois Hartley -	7.84	119.37	2.55	2.38	4.93	4	1.62	21.11	15.00	9	36	540	½	Ditto - - - ditto - ditto.

W. B. Robinson.

Wm. Henry Steel, Chief Engineer.

Portsmouth Yard,
8 April 1875.

SPECIAL TRIALS of "Pender's Compressed Fuel."

DATE OF TRIAL.	Coal used in Trial.	DESCRIPTION OF COAL.	Number of Lbs. of Water evaporated by 1 lb. of Coal, calculated from the Temperature of 100°.	Number of Water evaporated per Square Foot of Fire-grate per Hour, calculated from the Temperature of 100°.	Per-centage of Clinker and Ash.			Smoke Numbers.			Deposit of Soot.	Cinders Re-burnt.	Tempera- ture of Funnel.	Draught in Funnel.	REMARKS.
					Clinker.	Ash.	Total.	Maxi- mum.	Average.	Per- centage of Time of no Smoke.					
20 Feb. 1875	10½	Pender's Compressed Fuel -	7.98	231.76	5.10	4.17	9.27	5	2.12	27.00	9	40	754	$\frac{1}{8}$	Length of fire-grate, 4 feet. Area over bridge, 170 square inches. No smoke consumers used. Thick fires. Fuel broken up into small pieces, from 2 to 3 inch cubes.
22 Feb. "	10½	- - - ditto	7.97	227.29	5.44	4.34	9.78	5	1.89	31.82	9	34	768	$\frac{1}{8}$	Ditto - - - ditto. Thin fires.
24 Feb. "	10½	$\frac{2}{3}$ Pender's Compressed Fuel $\frac{1}{3}$ Cowpen Cambois Hartley	7.92	229.39	4.25	3.40	7.65	5	2.03	14.54	8	33	765	$\frac{1}{8}$	Ditto - - - ditto. Thick fires.
19 Feb. "	10½	Cowpen Cambois Hartley -	7.40	236.51	2.64	2.12	4.76	5	3.49	6.25	8	36	783	$\frac{1}{8}$	Ditto - - - ditto - ditto.
23 Feb. "	10½	Pender's Compressed Fuel -	8.16	121.30	4.68	4.08	8.76	3	1.09	41.43	9	38	546	$\frac{1}{8}$	Ditto - - - ditto. Damper in funnel, $\frac{1}{2}$ open only. Thin fires.
25 Feb. "	10½	$\frac{2}{3}$ Pender's Compressed Fuel $\frac{1}{3}$ Cowpen Cambois Hartley	8.09	114.11	4.25	3.66	7.91	4	1.46	28.57	9	35	543	$\frac{1}{8}$	Ditto - - - ditto - ditto.
26 Feb. "	10½	$\frac{1}{2}$ Pender's Compressed Fuel $\frac{1}{2}$ Cowpen Cambois Hartley	8.02	112.87	3.83	3.40	7.23	4	1.87	23.75	9	32	555	$\frac{1}{8}$	Ditto - - - ditto - ditto.
16 Feb. "	10½	Cowpen Cambois Hartley -	7.84	119.37	2.55	2.38	4.93	4	1.62	21.11	9	36	540	$\frac{1}{8}$	Ditto - - - ditto - ditto.

Portsmouth Yard, }
8 April 1876. }

W. B. Robinson.

Wm. Henry Steel, Chief Engineer.

Compressed Fuel.

Compressed Fuel.

SPECIAL TRIALS of Crown Patent Fuel.

DATE OF T R I A L.	Coal used in Trial.	D E S C R I P T I O N OF C O A L.	Number of Lbs. of Water evaporated by 1 lb. of Coal, calculated from the Temperature of 100°.	Per-centage of Clinker and Ash.			Smoke Numbers.			Number of Lbs. of Coal Burnt per Square Foot of Fire-grate per Hour.	Deposit of Soot.	Cinders Re-burnt.	Tempera- ture of Funnel.	Draught in Funnel.	R E M A R K S.
				Clinker.	Ash.	TOTAL.	Maxi- mum.	Average.	Per- Centage of Time of no Smoke.						
17 March 1875	Cwt. 10½	Crown Patent Fuel - -	8.65	4.08	3.40	8.08	1	.42	68.54	22.55	8	48	775	⅓	Length of fire-grate, 4 feet. Area over bridge, 170 square inches. No smoke consumers used. Thick fires. Fuel broken up into pieces averaging about 3-inch cube.
18 March "	10½	Crown Patent Fuel - -	8.84	4.25	3.66	7.91	2	.35	76.60	23.50	8	46	762	⅓	Ditto - - ditto. Thin fires.
19 March "	10½	½ Crown Patent Fuel - - ½ Cowper Cambois Hartley	8.53	3.66	3.15	6.81	5	1.77	29.24	25.26	8	38	780	⅓	Ditto - - ditto. Thick fires.
19 Feb. "	10½	Cowpen Cambois Hartley -	7.40	2.64	2.12	4.76	5	3.49	6.25	30.54	8	36	783	⅓	Ditto - - ditto - ditto.
20 Mar. "	10½	Crown Patent Fuel - -	8.86	4.25	4.00	8.25	2	.48	61.53	15.00	9	52	581	⅓	Ditto - - ditto. Damper in funnel ½ open only. Thin fires.
22 March "	10½	½ Crown Patent Fuel - - ½ Cowpen Cambois Hartley	8.59	4.00	3.40	7.40	2	.74	43.20	15.00	8	38	534	⅓	Ditto - - ditto - ditto.
23 March "	10½	½ Crown Patent Fuel - - ½ Cowpen Cambois Hartley	8.34	3.74	3.23	6.97	3	1.25	34.58	15.00	9	36	550	⅓	Ditto - - ditto - ditto.
16 Feb. "	10½	Cowpen Cambois Hartley -	7.84	2.55	2.38	4.93	4	1.62	21.11	15.00	9	36	540	⅓	Ditto - - ditto - ditto.

W. B. Robinson.
Wm. Henry Steil, Chief Engineer.

Portsmouth Yard,
8 April 1875.

(N. S. 2077—75.)

REPORT on "Crown Preserved Fuel."

Sir,

Her Majesty's Ship "Devastation," Malta,
5 May 1875.

IN compliance with your orders I beg to submit the following Report respecting the "Crown Preserved Fuel," placed on board this ship for trial on the 26th October 1874:—

The fuel was received from the decks and holds of lighters; a longer time was taken to put it on board than was required for the same weight of ready-filled coal bags from lighters, in about the proportion of 24 to 17. The blocks of fuel were passed inboard from hand to hand, the coal bags being hoisted in the two steam whips, each whip hoisting ten bags (one ton) at a lift. Had the coal been loose in bulk in the lighters, I am of opinion that the fuel would have been taken in more quickly than the coal, and as a general rule I think a ship would fill her bunkers with the fuel in less time than with loose coal, the same labour being employed in each case; this would be more especially the case if coaling alongside a wharf.

The fuel may be stacked in the bunkers more readily than loose coal may be stowed, in about the ratio of four to three, and in being passed from the bunkers to the stokehold about the same per-centage of labour may be saved, three trimmers sufficing where four would be required for coal.

As stacked in the two upper middle bunkers of this ship the fuel occupied a space of about 38 cubic feet per ton (mixed coal occupying about 45 cubic feet).

The fuel was burnt alone, and also mixed with coal in different proportions for periods of 24 hours each, viz. :—

30 April	-	-	-	Fuel alone.
1 May	-	-	-	2 Fuel to 1 coal.
2 May	-	-	-	1 Fuel to 1 coal.
3 May	-	-	-	Fuel alone.
4 May	-	-	-	2 Fuel to 1 coal.

Burnt alone this fuel lights readily and burns with a clear, rather short, bright flame, forming, when air is admitted to the backs of the bridges, very little smoke.

If 0 represents "no smoke," and 7 "dense black smoke," the smoke number varied from 2 to 5 (immediately after firing) to 0. Burnt mixed with coal the smoke increased with the increase of North Country coal in the mixture.

The residue of the fuel after being burnt alone consisted principally of a white earthy ash and a soft clinker, which was easily broken off the bars.

The fuel alone appears to burn most effectively with a good body of fire and a rapid rate of combustion.

Burnt mixed with coal its effect is to enliven the fires, especially if the coal be small.

I think small Welsh coal could be burnt as effectively with this fuel as with North Country coal, and certainly with far less smoke.

With regard to its efficacy as a steam generator, I beg to refer to the accompanying Report on Form A.

In conclusion, I beg to state that I consider this fuel to possess the following advantage, as compared with coal, viz. :—

1. It may, as a rule, be taken on board in less time than coal.
2. It may be stacked in the bunkers and passed from them to the stokeholes in less time than coal with the same labour.
3. A greater weight may be stowed in the same space than of coal.
4. It burns with very little smoke.
5. It is as effective as a steam generator as the coal usually supplied to Her Majesty's ships.

I have not found the fuel to possess any counterbalancing disadvantages.

I have, &c.

J. H. Hewlett,

Chief Engineer.

Captain F. W. Richards, R.N.,
Her Majesty's Ship "Devastation."

HER MAJESTY'S SHIP "DEVASTATION."

EXPERIMENT under Steam alone at 5.84 to 7.56 Knots speed.—

Total Quantity of Coal that can be

	Date and Hour of Trial.	Where Tried.	Course of Vessel.	Wind.		State of the Sea.	Probable Height of Wave or Swell.	Draught of Water.		Number of Boilers Used.	Height of Weather Baro- meter.	Vacuum in Con- densers.				Pressure of Steam.		Tempera- ture of Steam.	
				Direction.	Force.			Forward.	Aft.			Starboard.		Port.		In Boilers.	At Cylinders.	At Boilers.	At Cylinders.
												Forward.	Aft.	Forward.	Aft.				
1875 :								<i>Ft. in.</i>	<i>Ft. in.</i>	<i>No.</i>	<i>Ins.</i>	<i>Ins.</i>	<i>Ins.</i>	<i>Ins.</i>	<i>Lbs.</i>	<i>Lbs.</i>	<i>Deg.</i>	<i>Deg.</i>	
0 a.m. to 9 a.m.	30 April -	On passage from Gibraltar to Malta.	E. $\frac{3}{4}$ S. -	N. E. -	2	Smooth	-	25 1	26 10	4	30.27	26.5	26.5	25	25	-	270		
2 p.m. to 12 p.m.	30 April -		E. by S. $\frac{1}{4}$ S.	Calm -	0	ditto -	-	-	At Sea -	4	30.18	26.	26.5	25	25	-	274		
0 a.m. to 9 p.m.	1 May -		E. by S. $\frac{1}{4}$ S.	S. E. -	1	ditto -	-	-	ditto -	4	30.20	26.5	26.5	25	25	-	276		
2 a.m. to 12 p.m.	2 May -		E. by S. $\frac{1}{4}$ S.	Calm -	0	ditto -	-	-	ditto -	4	30.18	26.	26.5	25	25	-	273		
0 a.m. to 9 a.m.	3 May -		E. $\frac{1}{2}$ S. -	E. S. E. -	2	ditto -	-	-	ditto -	4	30.15	26.	26.	25	25	-	270		
2 p.m. to 12 p.m.	3 May -		E. $\frac{1}{4}$ S. -	S. E. -	2	ditto -	-	-	ditto -	4	30.18	26.	26.	25	25	-	270		
0 a.m. to 8 a.m.	4 May -		S. E. by E.	S. E. -	1	ditto -	-	-	ditto -	4	30.18	26.	26.	25	25	-	274		
8 a.m. to 12 p.m.	4 May -		S. E. $\frac{1}{2}$ E.	S. E. by S.	2	ditto -	-	-	ditto -	4	30.18	26.5	26.5	25	25	-	278		
0 a.m. to 8 a.m.	5 May -	S. E. $\frac{1}{4}$ E.	E. S. E. -	1	ditto -	-	-	24 5	26 10	4	30.26	26.5	26.5	25	25	-	276		

Approved,
Fredk. W. Richards, Captain.

(N. S. 189—76.)

REPORT on Crown Preserved Fuel.

Her Majesty's Ship "Tamar," Devonport,
6 May 1875.

Sir,
WITH reference to your Memorandum calling for a report on "Crown Preserved Fuel," I beg to state that mixed with an equal quantity of Welsh coal it is nearly as possible equal to coal only. As to the time, facility, and labour in sending it on board and stowing it in the coal boxes, I am of opinion that it is a longer and more laborious process, and it also takes more time in bringing it from the coal boxes to the stokehole and breaking it than the ordinary coal does.

The "Crown Preserved Fuel" occupies much less space than the ordinary coal.
This fuel was not tried alone, but with an equal mixture of Welsh coal, as shown in the accompanying report.

I have, &c.
W. D. Beaton, Chief Engineer.

Approved.

W. Hunt Grubbe, Captain.

Admiral the Hon. Sir H. Keppel, G.C.B.,
Commander in Chief, Devonport.

30th April to 5th May 1875.

A complete Set of Indicator Diagrams was taken every Four Hours.
carried in the Boxes, 1,800 Tons.

	Number of Inches travelled by the Piston before the Steam is cut off.	Mean Pressure of all the In- dicator Diagrams.	Mean Revolutions of the Engines per Minute.	Mean Indicated Horse Power.	Speed of Vessel per Hour.	Whole Distance run.	C O A L.							Per-centage of Ashes thrown Overboard.	GENERAL REMARKS.
							Description and Quality.	Quantity consumed per Hour.	Consumption per Indicated Horse Power, per Hour.	Consumption per Square Foot of Fire- grate, per Hour.	Distance run, per Ton of.	Distance which could be Steamed by the Quantity that can be carried in the Boxes.			
	Inch.	Lbs.	Revs.		Knots.	Knots.		Tons. cwt.	Lbs.	Lbs.	Knots.	Knots.	Cwt.		
1	3.9	6.75	42	1,125	7.0	63.	Crown Pre- served Fuel.	1 18	3.8	12.9	3.7	6,660	9	Smoke slides three-fourths open.	
2	3.9	6.1	40	968	6.5	65.	Crown Pre- served Fuel.	1 16	4.1	12.3	3.6	6,480	9	Smoke slides three-fourths open.	
3	3.9	6.05	40	963	6.82	143.3	Crown Fuel, mixed with coal.	1 16	4.2	12.3	3.8	6,840	11.9	Two Crown fuel to one coal (coal two-thirds North Country to one-third Welsh); smoke slides three-fourths open.	
4	3.9	4.65	35	649	5.84	128.5	Crown Fuel, mixed with coal.	1 5	4.3	8.5	4.67	8,406	13.3	One Crown fuel to one coal (coal two-thirds North Country to one-third Welsh) smoke slides three-fourths open.	
5	3.9	4.75	35	659	5.94	53.5	Crown Fuel	1 5	4.2	8.5	4.75	8,550	12.9	Smoke slides one-fourth open.	
6	3.9	6.15	40	975	6.88	68.8	Crown Fuel	1 14	3.9	11.5	4.05	7,290	12.9	- - ditto - - ditto.	
7	3.9	6.15	40	975	6.87	55.	Crown Fuel, mixed with coal.	1 11	3.5	10.5	4.43	7,974	10.7	Two Crown fuel to one coal (coal two-thirds Welsh to one-third North Country); smoke slides one-fourth open.	
8	3.9	6.8	43	1,160	7.5	120.3	Crown Fuel, mixed with coal.	1 17.5	3.6	12.7	4.	7,200	10.7	- - ditto - - ditto.	
9	3.9	6.85	43	1,168	7.56	60.5	Crown Fuel	1 17	3.5	12.6	4.03	7,254	11.2	Smoke slides one-fourth open.	

J. H. Hewlett, Chief Engineer,
H.M.S. Devastation.

SPECIAL REPORT on Mixed Coal (Crown Preserved Fuel) and Welsh (Powell Duffryn).

DESCRIPTION OF COAL.	Proportions in which Coal was Used.	Quantity of each Description Expended and specially Reported on.		Supplied to Ship.		Remarks on Quality.							Per-centage of Ash, Soot, and Clinker.	Smoke Consumers, whether in Use or not?	Do Funnels require Clean- ing frequently?	Do Tubes become Choked Speedily?	Distance run by Vessel during Time Coal was Used.	Consumption of Coal in Pounds per Knot.
				From what Depôt.	Date.	Expressed in Numbers.	For Generation of Steam.	Emission of Smoke.		Does require Light or Strong Draught.								
								If Burnt Rapidly.	If Burnt Slowly.									
Crown Preserved Fuel. Welsh (Powell Duffryn).	In equal propor- tions.	46 tons	46 tons	Transport Depôt, Devon- port.	7 Sept. 1874.	10	Good	No	Slowly	Strong	11.9	Yes	Yes	No	434.5	474.2		

Approved.
W. Hunt Grubbe, Captain.

W. D. Beaton,
Chief Engineer.

Her Majesty's Ship "Tamar,"
6 May 1875.

Compressed Fuel.

(N. S. 189—76.)

REPORT on Crown Preserved Fuel.

Her Majesty's Ship "Simoom," Devonport,
10 May 1875.

Sir,

IN reply to your Memorandum calling upon me to report on 50 tons of Crown Preserved Fuel, supplied in August last, I have the honour to state that no information was received that this fuel was for trial; but from the experience of using it it was found to be inferior to the ordinary mixture of Welsh and North Country coal as to generation of steam, being only fair quality No. 7.

2. I am of opinion that in regard to time, facility, and labour in sending it on board, and stowing it in the coal boxes, of bringing it from the boxes into the stokehold, and breaking it up and burning it, it is inferior to ordinary coal, and that it occupies more space.

3. This fuel was burnt by itself on 29th September last.

I have, &c.

M. S. L. Peile,
Captain.Admiral the Hon. Sir Henry Keppel, G.C.B.,
Commander in Chief.

(N. S. 4174—75.)

REPORT on Bathgate Compressed Fuel.

Her Majesty's Ship "Favorite," Queensferry,
13 September 1875.

Sir,

I HAVE the honour to report that after frequent trials of compressed fuel from Seafeld Works, near Bathgate, on board this ship, I find as follows:—

That the compressed fuel burned alone is good steam-producing fuel, and when the draught is good, equal to any of the coal tried on board this ship, producing as little smoke as the best Welsh coal, but with an increased per-centage of ashes.

I am of opinion that the compressed fuel would be improved by using about a third of North Country coal along with it, thereby giving greater body and stability to the fire as this compressed fuel does not coke sufficiently. The fuel is much handier for conveying from the coal boxes to the stokehold than other coal, and the labour of breaking it is very trifling indeed.

I am, &c.

William Miller,
Chief Engineer.To Captain L. E. H. Somerset,
Her Majesty's Ship "Favorite."

(N. S. 4174—75.)

REPORT on Compressed Fuel.

Sir,

"Favorite," Queensferry, 24 September 1875.

IN compliance with your Memorandum I have the honour to report that on the month's cruise the compressed fuel from the Seafeld Works, near Bathgate, was tried.

I concur in the opinion of Mr. Miller, Chief Engineer, whose report is forwarded herewith.

As the company has become bankrupt, I do not consider it necessary to enter more fully into details beyond submitting that, as there are upwards of 100 tons of it still remaining, it may be tried next year with a view of ascertaining whether it deteriorates by keeping.

I have, &c.

Leveson E. H. Somerset,
District Captain.The Admiral Superintendent
of Naval Reserves.

(N. S. 4174.—75.)

HER MAJESTY'S SHIP "FAVORITE."

24 September 1875.

REPORT on Bathgate Patent Fuel compared with other Fuels.

Date of trial - - - -	15 Aug. 1875.	—	—
Where the trial took place - -	North Sea.	—	—
Draught of water { forward - -	20'6 - -	20 ft. 6 in. - -	20'1.
aft - -	22'11 - -	22 ft. 11 in. - -	22'10
Duration of trial in hours - -	6 - -	6 - -	6.
Total distance run - - - knots	30'3 - -	30'3 - -	30'2.
Average speed - - - -	5'05 - -	5'05 - -	5'033.
Average number of revolutions, per minute - - - No.	34'84 - -	34'94 - -	34'8.
Mean pressure by indicator - lbs.	7'972 - -	7'515 - -	7'863.
Average indicated horse power, I. H. P.	290'202 -	273'547 -	286'968.
Total consumption of coal during trial - - - tons.	5'25	5'1 - -	5'1.
Consumption per indicated horse power, per hour - - - lbs.	6'7 - -	6'9 - -	6'6.
Consumption per knot - - - cwt.	3'46 - -	3'36 - -	3'37.
Description and quality of coal used	Fordel Splint Scotch -	One-half Fothergill's Aberdare; one-half Cowpen Hartley.	One-half Bathgate Fuel; one-half Fothergill's Aberdare and Cowpen Hartley.
Wind { force - - - -	1 to 2 - -	1 - -	1.
direction - - - -	Bow - -	Bow - -	Ahead.
Height of steam gauge - - - -	14 - -	14 - -	14.
Ashes, per cent. - - - -	13 - -	13 - -	15.
State of the sea - - - -	Smooth - -	Smooth - -	Smooth.
State of ship's bottom - - - -	Clean - -	Clean - -	Clean.
Emission of smoke - - - -	Brown - -	Light brown - -	Very light brown.

Leveson E. H. Somerset,
Captain of the Ship.

William Miller,
Chief Engineer of the Ship.

(N. S. 4223—75.)

REPORT of Trial of Patent Fuel, from Messrs. Frazer & White.

Sir,

Portsmouth Yard, 1 October 1875.

WITH reference to your Memorandum of 25th on Superintendent of Store's letter of 24th August last,—

We have the honour to forward herewith the results obtained at the coal-testing boiler with the patent fuel therein referred to. From these results it will be observed—

1. That the evaporation per pound of fuel is rather low for a Welsh fuel.
2. The evaporation per square foot of fire grate per hour and the speed of burning are both low.
3. The per-centage of refuse is very high.

We would further remark that this fuel is very easily broken, and small pieces of it can be easily crumbled to dust in the hand. For this reason, and those given above, we think the fuel is made of an inferior quality of coal, and also the process of manufacture fails to give sufficient cohesiveness to it for practical purposes, and are therefore of opinion that it is not suitable for use in the service.

We might further remark that the advantage in stowage possessed by this fuel over coals is common to most patent fuels.

We have, &c.

W. B. Robinson,
Chief Constructor.
Wm. Hy. Steil,
Chief Engineer.
Edwd. Newman,
First Assistant.

Forwarded.

F. L. McClintock,
Admiral Superintendent.

1 October 1875.

SPECIAL TRIALS of "Patent Fuel," from Glyncorrwg Colliery Company.

Weight of Block of Fuel in Air, 10 lbs.; in Water, 1 lb. 12 ozs.; Specific Gravity, 1.21.

Date of Trial.	Coal used in Trial.	DESCRIPTION OF COALS.	No. of lbs. of Water evaporated by 1 lb. of Coal calculated from the Temperature of 100°.	No. of lbs. of Water evaporated per Square Foot of Firegrate per Hour calculated from the Temperature of 100°.	Per-centage of Clinker and Ash.			Smoke Numbers.			No. of lbs. of Coal burnt per Square Foot of Firegrate per Hour.	Deposit of Soot.	Cinders reburnt.	Temperature in Furnel.	Draught in Furnel.	REMARKS.
					Clinker.	Ash.	TOTAL.	Maxi- mum.	Average.	Per-centage of Time of no smoke.						
13 Sept. 1875 -	Cwts. 10½	{ Patent Fuel - Colliery Company - }	8.34	163.30	6.80	4.59	11.39	2	.2	93.23	17.59	9	120	582	in. 11 3/8	Length of firegrate=4 feet; area over bridge=170 square inches; thick fires; fuel broken up as usual; no smoke consumers used.
14 Sept. " -	10½	- ditto - - ditto -	8.48	180.50	6.29	4.08	10.37	2	.18	95.	18.98	9	110	606	16	- ditto - - ditto; but fuel used in larger pieces, each block (6in. by 4 in. by 9 in.) being divided into three.
15 Sept. " -	10½	- ditto - - ditto -	8.52	178.81	6.81	4.68	11.40	1	.13	88.89	18.46	9	112	592	16	- ditto - - ditto; thin fires.
16 Sept. " -	10½	{ Patent Fuel - Cowpen Cambois Hartley - }	8.27	189.76*	5.10	3.40	8.50	1	.16	88.5	20.24	8	70	621	16	- ditto - - ditto; thick fires.
21 Sept. " -	10½	Patent Fuel - - -	8.56	135.38	6.12	5.10	11.22	1	.41	62.86	15.00	9	72	520	4	- ditto - - ditto; thin fires.
22 Sept. " -	10½	{ Patent Fuel - Cowpen Cambois Hartley - }	8.34	132.04	4.93	4.17	9.10	1	.42	61.7	15.00	9	55	514	4	- ditto - - ditto; thin fires.
24 Sept. " -	10½	{ Patent Fuel - Cowpen Cambois Hartley - }	8.02	129.20	4.85	3.57	8.42	2	.8	42.5	15.00	9	41	509	4	- ditto - - ditto; thin fires; smoke consumers opened alternately for about 3 minutes after each firing.
25 Sept. " -	10½	Cowpen Cambois Hartley - (As used in the above trials.)	8.17	241.33	2.64	1.87	4.51	4	2.16	11.25	28.23	8	35	798	3	- ditto - - ditto; coals hand-picked in the usual way; thick fires; both smoke consumers kept fully open.

(N. S. 5441—1875.)

Respecting Special Trials of Patent Fuel from Messrs. A. & C. Miller.

Sir,

Portsmouth Yard, 23 December 1875.

WE have the honour to report that we have tried the samples of patent fuels mentioned in the two accompanying tabulated statements of results of trials.

The first three samples, marked A., B., and C. fuels, were made from anthracite and bituminous coals, in the proportion shown in the tabulated statement No. 1, with (we were informed by Messrs. Miller's representative) the addition of about 10 per cent. of bituminous matter.

It will be seen, by reference to column of evaporation per square foot of firegrate, that they were of low evaporative power, and also that they contained a large amount of clinker. It was, however, noticed on these trials that no waste by decrepitation of anthracite took place, but a thin pasty slag was formed on the bars. Messrs. Miller's representative, who was present at these trials, accounted for this slag and large amount of clinker by the fact of the coal used in making the fuels being small and not washed, and partly from the large per-centage of bituminous matter. The subsequent samples were made from large clean coals, crushed, and, with the exception of No. 4, burnt freely and without the production of slag, as in the above-mentioned trials.

They were numbered 1, 2, 3, and 4, and were made up of anthracite and bituminous fuels in the proportions stated in accompanying statement, No. 2, but with the addition of only about 5 per cent. of bituminous matter.

Sample No. 4, which, we were informed, contained a different kind of bituminous matter to that in the other fuels, gave no better results than fuels A., B., and C. Samples 1, 2, and 3, however, proved to be of good evaporative power, and high economic value, the ton trials of Nos. 1 and 2 (there was not sufficient to make a ton trial of No. 3) giving the greatest evaporation per lb. yet obtained with the patent fuels which have been tried here. The per-centage of clinker and ash is also small, and there is but very little smoke with them. We are therefore of opinion, from the results of these trials, that fuels A., B., and C., and No. 4, are not of the right manufacture, and cannot be recommended for the service, but that fuels 1, 2, and 3 are good and powerful fuels, and fit for the service.

Preference, however, should be given in the following order:—

1st.—No. 2, of one-third anthracite and two-thirds bituminous.

2nd.—No. 1, of one-half anthracite and one-half bituminous.

3rd.—No. 3, of two-thirds anthracite and one-third bituminous.

We have, &c.

W. B. Robinson,
Chief Constructor.

William Henry Steil,
Chief Engineer.

Edward Newman,
First Assistant.

The Admiral Superintendent.

Forwarded.

F. L. M. Clintock,
Admiral Superintendent.

23 December 1875.

SPECIAL TRIALS of Patent Fuel from Messrs. A. & C. Miller.

[illegible]

William Henry Steil,
Chief Engineer.

W. B. Robinson,
Chief Constructor.

Portsmouth Yard, 23 December 1875.

Compressed Fuel.

(N. S. 1715—76.)

Her Majesty's Ship "Triumph,"
31 December 1875.

REPORT on the undermentioned Compressed Fuel under Trial in Her Majesty's
Ship "Triumph."

Date of Trial.	Proportions of Coal Burnt.	Result of Trial.
27 Oct. 1875 -	Compressed Fuel, 369½ tons -	The fuel burns well with a good draught, but after about six hours, a large quantity of clinker is found on the bars which impedes the free burning of the fires, and the ash and clinker are large in proportion to coal, being about 16 to 20 per cent. The fuel being in square blocks and compressed, is heavier than ordinary coal, a greater quantity can therefore be stowed in the same space as compared with coal.

W. F. Capps,
Chief Engineer.

G. H. Parkin,
Commanding Officer.

(N. S. 1716—76.)

Her Majesty's Ship "Resistance,"
31 December 1875.

REPORT on the undermentioned Compressed Fuel under Trial in this Ship.

Date of Trial.	Proportions of Coal Burnt.	Result of Trial.
20 Nov. 1875 -	Compressed Fuel, 303 tons 8 cwt. ("Crown Preserved Fuel Company.")	It has the advantage of being easily stowed between decks when the coal-boxes are small. This fuel is of good steam-producing quality, but the fires soon become dirty with a large per-centage of ash and clinker. No article of a similar kind in use before. Consists of best Welsh coal dust mixed with 8 per cent. of pitch, made into blocks of 28 lbs. weight.

F. W. Brown,
Chief Engineer.

Charles W. Hope,
Captain.

(N. S. 1717—76.)

Her Majesty's Ship "Black Prince,"
31 December 1875.

REPORT on the undermentioned Compressed Fuel under Trial in Her Majesty's
Ship "Black Prince."

Date of Trial.	Proportions of Coal Burnt.	Result of Trial.
29 Nov. 1875 -	Compressed Fuel, 530 tons - Compressed Fuel, 50 tons - ("Crown Preserved Fuel Company.")	No material difference from other patent fuel used in the service before. No special merits. Find it makes great dust in the bunkers, and clinkers up the fires badly. If used in accordance with the instructions issued with the fuel, steam could not have been kept up at all. It had to be pricked and sliced in the usual manner.

T. B. Lethbridge,
Captain.

RESPECTING A TRIAL OF KELUNG COAL.

Extract from Officers' Letter, N.S. 2674—75.

Kelung Coal.

Sir,

Portsmouth Yard, 26 May 1875.

WITH reference to your Memorandum, we have the honour to forward herewith the result of a trial made with Kelung Coal at the coal-testing boiler here. The quantity (one ton) received was only sufficient for one trial, but from the results obtained we are of opinion it may be used on board ship when occasion requires, provided the production of smoke in large quantities and consequent rapid choking up of tubes is not too great an objection.

We have, &c.

W. B. Robinson,
Chief Constructor.

The Admiral Superintendent.

Wm. Hy. Steil,
Chief Engineer.

Forwarded.

F. L. M'Clintock,
Admiral Superintendent.

26 May 1875.

SPECIAL TRIAL of "Kelung" Coal from Formosa.

Date of Trial.	Coal used in Trial.	DESCRIPTION OF COAL.	No. of lbs. of Water evaporated by 1 lb. of Coal calculated from the Tempera- ture of 100°.	No. of lbs. of Water evaporated per Square Foot of Firegrate per Hour calculated from the Temperature of 100°.	Per-centage of Clinker and Ash.			Smoke Numbers.			No. of lbs. of Coal burnt per Square Foot of Firegrate per Hour.	Deposit of Soot.	Cinders reburnt.	Temperature in Funnel.	Draught in Funnel.
					Clinker.	Ash.	TOTAL.	Maximum.	Average.	Per-centage of Time of no Smoke.					
1875 : 24 May	Cwts. 10½	Kelung Coal (from Formosa).	6.75	240.46	3.23	2.21	5.44	7.	5.18	3.89	32.94	lbs. 9	lbs. 29	degs. 877	in. ¾

Remarks.—Length of Firegrate=4 feet ; area over bridge=170 square inches ; no smoke consumers used ; thick fires.

Portsmouth Yard, 26 May 1875.

William Henry Steil,
Chief Engineer.

(N.S. 2674—75.)

Sir,

House of Commons, 2 June 1875.

I HAVE now the pleasure of communicating to you the result of the analysis and examination of the coal from Kelung, Island of Formosa. A sample was prepared for analysis by taking portions of many of the pieces forwarded to me in a box and reducing them to powder, so that the average composition might be ascertained.

The coal is black, firm, and generally of a bright lustre, and it scarcely soils the fingers when handled. It contains, relatively, a large proportion of hydrogen, and in burning produces copious flame, and it might certainly be used advantageously for raising steam. It does not sensibly swell or "cake" when heated, or, in other words it is a "free burning coal." By carbonization it yields a close compact coke, and the colour of the ash is red; the proportion of sulphur is rather high, and as the pyrites in which it exists seems to be chiefly concentrated in laminæ of not inconsiderable thickness, I think it possible that if the coal should be left accumulated in large heaps it might "heat" or even

Kelung Coal.

spontaneously ignite, but nothing short of actual experience would settle this point conclusively.

Composition per Cent. of a Sample prepared by triturating Portions of many of the Lumps.		Composition per Cent. calculated exclusive of Sulphur, Ash, and Water.
Carbon - - - - -	71.18	80.46
Hydrogen - - - - -	5.89	6.65
Oxygen and Nitrogen - -	11.40	12.89
Sulphur - - - - -	2.06	—
Ash - - - - -	6.14	—
Water - - - - -	3.33	—
	100.00	100.00

RESULTS of Carbonization.

Coke - - - - -	52.50
Volatile matter - - - - -	44.17
Water - - - - -	3.33
	100.00

The Secretary of the Admiralty,
&c. &c. &c.

I am, &c.
John Percy.

(N.S. 2674—75.)

Sir,

House of Commons, 4 June 1875.

IN my report to the Admiralty concerning the Formosa coal there was an error, which I now correct. It should have been stated that this coal does cake. The following remarks should also be added: It might be used alone for raising steam by proper stoking, or in admixture with the steam-coal of South Wales.

Tested in Thompson's calorimeter its evaporative power was found to be 13.2 lbs., that is, it would theoretically convert 13.2 lbs. of water at 212° Fahrenheit into steam.

It would be a valuable coal for gas-making, and indeed it much resembles cannel-coal (which is so highly prized for gas-making) both in physical character and chemical composition.

I am, &c.
John Percy.

The Secretary of the Admiralty,
&c. &c. &c.

ZAMBESI COAL.

(N.S. 4763—75.)

Sir,

Foreign Office, 24 August 1875.

Zambesi Coal.

I AM directed by the Secretary of State for this Department to transmit to you, for the information of the Lords of the Admiralty, a Despatch from Her Majesty's Consul at Mozambique, enclosing a sample and describing a trial of Zambesi coal on board a Portuguese steamer.

The Secretary to the Admiralty.

I am, &c.

Tenterden.

(No. 3.—Commercial.)

My Lord,

Mozambique, 19 July 1875.

I WAS invited by Señhōrs Adrião and d'Avila, of the Portuguese Navy, to attend a trial of Zambesi coal on board the steamer "Tete," on the 14th instant, and went in company with Mr. Carvão (who is here on a tour of inspection of the East Coast Provinces, with extraordinary powers from the Lisbon Government), Mr. Cruz Coimbra, the promoter of the Company for Coal Mining and Steam Navigation on the Zambesi (mentioned in my letter No. 3, Political, of 22nd June), and Captain Hansard of the British India Steam Navigation Company's steamer "Medina."

Steam was got up in one hour and a half; it requiring two hours to get up steam with the Welsh coal procurable in Mozambique. The expenditure of coal under steam was not great; a good head of steam was kept up, and the result on the whole was satisfactory; there is, however, a large quantity of foreign matter and "clinker" contained in the coal, which is liable, I believe, to destroy the furnace bars, and a great deal of sulphur which renders it disagreeable to work.

It should, though, at the same time be said, purely surface coal alone was used on sinking a shaft, the quality may improve. I, however, suspect the mines to be those reported by Dr. Livingstone on the Zambesi, which were not thought very highly of.

A small sample of the coal will be forwarded for your Lordship's inspection by the mail.

I am, &c.

F. Elton, H.M. Consul for
Portuguese Possessions, East Africa.

To Her Majesty's
Principal Secretary of State for Foreign
Affairs, Foreign Office, London.

H.M.S. "Thetis," Mozambique,
13 August 1875.

Sir,

I HAVE the honour to inform you that the steam cutter of Her Majesty's ship under my command, has just completed the trial of the sample of Zambesi coal, which you requested me to receive on board for that purpose.

1. The fires were lighted at 5.30 a.m., and steam at 40 lbs. pressure was up by 7.15, which is about the same time as is taken with Cardiff or Newcastle coal. The boat left the ship at 7.15 and steamed up the Mussooril River, the trial being continued until 11.45; that is to say, for 4½ hours, the coal consumed being—

Getting up steam -	-	-	-	-	-	-	28 lbs.
4½ hours' steaming	-	-	-	-	-	-	308 lbs.

2. Very soon after starting, the steam went down to 30 lbs. pressure, and from this time till nearly the end of the trial the steam gradually fell till it reached 22 lbs., at which pressure it would most probably have continued had we remained in smooth water, but on returning towards the ship the boat shipped a good deal of spray over the boiler, which brought the steam down to 17 or 18 lbs., when, in consequence of the strong head wind that was blowing at the time, the boat was unable to make any progress, and Newcastle coal was, therefore, substituted, and the trial concluded.

3. The boiler is weighted to 60 lbs., but when using English coal the ordinary pressure of steam kept up continuously without priming the fires, is 40 lbs.; whereas the utmost that could be effected with this coal, after the first hour and a half, was a continuous pressure of 22 lbs., under favourable circumstances of wind and sea.

4. There was a very large proportion of clinker, probably from 40 to 50 per cent. This interfered considerably with the draft, so that it was necessary to keep continually stirring the fires to prevent the clinker from stopping the draught altogether. Independently of this, however, it is obvious that the constant removal of such a large amount of foreign substance from so small a furnace as that of our steam cutter, would necessarily reduce the size of the fires, and consequently cause the pressure of steam to fall. No difficulty was found in removing the clinkers from the furnace. When first taken out they were quite soft, but became hard on cooling.

Zambesi Coal.

5. The engineer of the "Thetis" is of opinion that no alteration in the ordinary furnaces would enable steam-ships to burn this coal without having recourse to constantly clearing the fires of clinkers, which in large furnaces would probably involve the necessity of raking out the fires altogether at least every four hours. If the fire-bars were placed further apart than usual, the clinkers would simply run like melted metal into the ash-pit, carrying the rest of the fire with it, and, if closer together, it would be impossible to keep the fires burning from lack of draught.

6. Although it appears from the foregoing trial that this coal is of a very inferior quality to either Newcastle or Cardiff, it will probably, from being obtained on the spot, be of great use to steamers navigating the Zambesi, as also for other purposes in connection with the development of the country. Moreover as the sample now tried is obviously surface coal, it may be assumed as certain that coal of a better quality, and probably containing much less of the extraneous substances, such as sulphur and iron, with which this coal appears to be mixed, would be obtained by sinking a deep shaft.

7. I may add, in conclusion, that this coal appears to be entirely smokeless, which, if the quality be as much improved as may reasonably be anticipated when coal is obtained from a certain depth below the surface, may make it valuable for use on board ships of war.

I have, &c.

T. Le Hunte Ward,
Captain and Senior Officer,
East Coast of Africa.

To H. B. M.'s Consul
for Portuguese Possessions,
East Coast of Africa.

H.B.M.'s Consulate for Portuguese Possessions,
East Coast of Africa, Mozambique,

31 August 1875.

Gentlemen,

AGREEABLY to the request contained in your letter of 11th August, 1875, the senior Naval Officer of H.B.M.'s Navy on this coast, has completed a trial of the sample of Zambesi coal, with which I was furnished by you; and I have the honour to forward you his report.

I accompanied Captain Ward on this trial, and fully concur in his conclusions. Such a report should, I think, carry considerable weight from the painstaking fidelity with which both the merits and demerits of this surface coal are detailed; and I trust may be the means of leading to a further exploration of the Zambesi coal measures.

I have, &c.

F. Elton.

Señhōrs A. J. da Cruz Coimbra,
José Botelho Tangao,
F. M. Gomes Ferreira.

Sir,

House of Commons, 8 November 1875.

I HAVE pleasure in communicating the results of the analysis and examination of the coal from Zambesi, which you forwarded to me on the 31st August last:—

Composition of the Coal:	Per Cent.
Carbon - - - - -	51·44
Hydrogen - - - - -	3·16
Oxygen and Nitrogen - - - - -	7·51
Sulphur - - - - -	0·33
Ash - - - - -	33·70
Water - - - - -	3·86
	100·00

Result of heating the Coal in a close Vessel:

Carbonaceous residue or Coke - -	87·80
Volatile matter expelled, inclusive of the amount of water shown in the above analysis - - - - -	12·20
	100·00

The volatile matter burnt with a somewhat smoky flame. The residue consisted partly of a close coherent coke, and partly of loose rounded particles. Before heating, the coal was, as usual, reduced to powder, in order to ascertain whether it possesses the property of caking.

From the nature of the coke, it appears that the coal does cake in a considerable degree; a fact which is rather remarkable in coal yielding so very large a proportion of ash. The colour of the ash was reddish.

The

The proportion of sulphur in the coal is small, and no sensible injury to the fire-bars would be caused by sulphur in such proportion.

Tested in Thompson's calorimeter, the evaporative power of the coal was found to be 8·58 lbs., i.e., 1 lb. of the coal would evaporate 8·58 lbs. of water previously heated to 212° Fahrenheit.

It is much inferior to good Welsh steam coal in absolute heat-giving power; but as it ignites and burns easily, it is conceivable that, under certain conditions, this coal might raise steam more quickly than Welsh steam coal.

The large quantity of ash in this coal would, undoubtedly, be a serious drawback to its use in Her Majesty's Navy.

Zambesi Coal.

The Secretary of the Admiralty,

I am, &c.
John Percy.

(N. S. 3480—75.)

RESPECTING Trials of Fernhill Merthyr Coals.

Fernhill Merthyr Coal.

Sir,

Portsmouth Yard, 3 August 1875.

WE have the honour to forward herewith, a tabular statement of the results obtained on the trials of Fernhill Merthyr Coal in the yard testing boiler, observing that we consider them very satisfactory, and are of opinion that these coals are of a good quality and fit for the service.

We have, &c.
William Henry Steil,
Chief Engineer.

A. P. Durston,
Second Assistant.

Forwarded.

F. L. M'Clintock,
Admiral Superintendent.

3 August 1875.

SPECIAL TRIALS of "Fernhill Merthyr" Coal.

Date of Trial.	Coal used in Trial.	DESCRIPTION OF COALS.	No. of lbs. of Water evapo- rated by 1 lb. of Coal calculated from the Tem- perature of 100°.	No. of lbs. of Water evapo- rated per Square Foot of Firegrate per Hour cal- culated from the Tempera- ture of 100°.	Per-centage of Clinker and Ash.			Smoke Numbers.			No. of lbs. of Coal burnt per Square Foot of Firegrate per Hour.	Deposit of Soot.	Cinders reburnt.	Temperature in Funnel.	Draught in Funnel.	REMARKS.
					Clinker.	Ash.	TOTAL.	Maximum.	Average.	Per-centage of Time of no Smoke.						
1875 : 29 July -	Cwts. 10½	Fernhill Merthyr -	10·03	238·32	·85	2·55	3·40	3	·85	43·75	25·07	lbs. 9	lbs. 49	degs. 767	in. ¾	Length of firegrate = 4 feet; area over bridge, 170 square inches; common wrought-iron fire- bars, half-inch spaces; no smoke consumers used.
9 " -	10½	{ ¾ Fernhill Merthyr ¾ Cowpen Cambois Hartley. }	9·60	238·92	1·70	2·38	4·08	3	1·66	32·08	26·05	9	44	802	¾	- ditto - - ditto; smoke consumers used as considered ne- cessary.
0 " -	20	Fernhill Merthyr -	10·01	230·69	·98	2·14	3·12	3	1·33	31·8	24·93	16	95	771	¾	- ditto - - ditto; no smoke consumers used.
April -	10½	Cowpen Cambois Hartley. (As used in the above trial, 29th July.)	7·80	245·28	2·21	1·87	4·08	-	Brown.	-	30·82	8	34	853	¾	- ditto - - ditto; no smoke consumers used.
Aug. -	10½	Fernhill Merthyr -	9·70	238·11	·51	1·19	1·70	2	·72	55·55	25·07	9	97	792	¾	- ditto - - ditto; smoke consumers used as considered ne- cessary.

Portsmouth Yard, 3 August 1875.

William Henry Steil,
Chief Engineer.

DINAS MERTHYR.

(N. S. 4225—75.)

Dinas Merthyr.

REPORT of Trial of Coal from Messrs. *Coffin & Co.*—Dinas Merthyr.

Sir,

Portsmouth Yard, 1 October 1875.
 We have the honour to forward herewith the results obtained at the coal-testing boiler with coals therein referred to. From this, and the appearance of the sample sent, we are of opinion that the coal is of a very good quality, and fit for the Service.

We have, &c.

W. B. Robinson,
 Chief Constructor.

William Henry Steil,
 Chief Engineer.

Edward Newman,
 First Assistant.

The Admiral Superintendent.

Forwarded,

F. L. McClintock,
 Admiral Superintendent.

1 October 1875.

SPECIAL TRIALS of Dinas Merthyr Coal.

Weight of Block in Air, 11 lbs. 1 oz.; in Water, 2 lbs. 10 oz.; Specific Gravity, 1.49.

DATE OF TRIAL.	Coal used in Trial.	DESCRIPTION OF COALS.	Number of Lbs. of Water evaporated by 1 lb. of Coal, calculated from the Temperature of 100°.	Number of Lbs. of Water Evaporated per Square Foot of Fire-grate per Hour, calculated from the Temperature of 100°.	Per-centage of Clinker and Ash.			Smoke Numbers.			Number of Lbs. of Coal burnt per Square Foot of Fire-grate per Hour.	Deposit of Soot.	Cinders re-burnt.	Temperature in Funnel.	Draught in Funnel.	REMARKS.
					Clinker.	Ash.	TOTAL.	Maximum.	Average.	Per-centage of Time of no Smoke.						
1875: 16 Sept. - (Afternoon trial.)	<i>Cwt.</i> 10½	Dinas Merthyr	10.02	223.89	1.53	2.04	3.57	-	Very light	-	23.50	8	38	682	in.	Length of fire-grate, feet; area over bridge 170 square inches. Smoke consumers half open alternately for three minutes after each firing.
17 Sept. -	10½	Dinas Merthyr	9.93	226.00	1.36	2.21	3.57	2	.75	43.25	23.33	9	40	688	in.	- ditto - ditto.
18 Sept. -	10½	{ Dinas Merthyr Cowpen Cambois Hartley }	9.46	229.68	1.95	2.12	4.07	2	.7	46.36	24.89	8	38	690	in.	- ditto. Smoke consumers fully open alternately for three minutes after each firing.
20 Sept. -	20	Dinas Merthyr	9.85	222.38	1.47	1.87	3.34	3	.71	56.04	23.27	16	88	697	in.	- ditto. Smoke consumers half open alternately for three minutes after each firing.
22 Sept. -	10½	Cowpen Cambois Hartley (as used in above trial, 18th Sept.)	8.17	241.33	2.64	1.87	4.51	4	2.16	11.25	28.23	8	35	408	in.	- ditto. Smoke consumers both fully open.

Portsmouth Yard,
 1 October 1875.

W. B. Robinson,
 Chief Constructor.
William Henry Steil,
 Chief Engineer.

CAMBOIS HARTLEY AND WEST SLEEKBURN.

(N. S. 4224—75.)

REPORT of Trial of Steam Coal from Mr. *Bunning*.

Sir,

Portsmouth Yard, 1 October 1875.

WE have the honour to forward herewith the results obtained at the coal-testing boiler with two samples of coal tried there at Mr. Bunning's expense.

From these results we are of opinion that the samples tried are of a very good quality of North Country coals.

On the trial of 1st September the coals were put in the front of the fires in as large pieces as possible, and before each firing the fires were pushed towards the back. From the fifth column in accompanying Table it will be seen that the speed of evaporation per square foot of firegrate was not so great as in the following trials, on all of which the fires were fed in the ordinary manner.

As Mr. Bunning wished it, the trials were made with firebars three feet long, and comparative trials of Ocean Merthyr and Cowpen Cambois Hartley, both hand picked, were made on the same grate, and the results are included in the Table herewith.

We have, &c.

William Henry Steil,
Chief Engineer.

The Admiral Superintendent.

Edward Newman,
First Assistant.

Forwarded,

F. L. McClintock,

Admiral Superintendent.

1 October 1875.

SPECIAL TRIALS of Cambois Hartley and West Sleekburn Coals.

DATE OF TRIAL.	Coal used in Trial.	DESCRIPTION OF COALS.	Number of Lbs. of Water evaporated by 1 lb. of Coal, calculated from the Temperature of 100°.	Number of Lbs. of Water evaporated per Square Foot of Firegrate per Hour, calculated from the Temperature of 100°.	Per-centage of Clinker and Ash.			Smoke Numbers.			Number of Lbs. of Coal burnt per Square Foot of Firegrate per Hour.	Deposit of Soot.	Cinders re-burnt.	Temperature in Funnel.	Draught in Funnel.	REMARKS.
					Clinker.	Ash.	TOTAL.	Maximum.	Average.	Per-centage of Time of no Smoke.						
1875:	<i>Cwts.</i>											<i>lbs.</i>	<i>lbs.</i>	<i>dys.</i>	<i>in.</i>	
1 Sept. - Afternoon.	10½	Cambois Hartley -	8.69	305.48	.76	1.19	1.95	4	2.16	2.14	36.42	7	33	740	Not taken.	Length of firegrate, 3 feet; area over bridge, 170 square inches. Smoke consumers both kept fully open; fires fed after Mr. Bunning's method.
2 Sept. - Morning.	10½	Cambois Hartley -	8.77	322.08	.68	1.19	1.87	4	2.25	16.	36.13	7	24	750	"	- ditto. Fires fed in the ordinary manner, but pushed back a little before firing.
2 Sept. - Afternoon.	10½	Cambois Hartley -	8.85	325.31	.68	1.10	1.78	3	1.54	30.83	35.84	6	25	747	"	- ditto - - ditto.
3 Sept. - Morning.	10½	West Sleekburn -	8.69	322.08	.85	1.10	1.95	3	1.95	15.17	36.13	7	33	750	"	- ditto - - ditto.
3 Sept. - Afternoon.	10½	West Sleekburn -	8.75	318.62	1.02	1.02	2.04	3	1.56	30.62	35.84	7	30	747	"	- ditto - - ditto.
4 Sept. - Morning.	10½	West Sleekburn -	8.77	318.62	.85	1.10	1.95	4	1.97	20.	34.73	7	33	750	"	- ditto - - ditto.
6 Sept. -	10½	Ocean Merthyr -	9.89	303.09	2.72	1.87	4.59	2	.5	64.4	31.55	9	32	704	"	- ditto; ordinary firing. No smoke consumers used.
7 " -	10½	{ ½ Ocean Merthyr - ½ West Sleekburn - }	9.38	310.50	1.70	1.53	3.23	3	1.2	39.2	33.68	8	30	722	"	- ditto. Smoke consumers opened full alternately after each firing.
8 " -	10½	{ ½ Ocean Merthyr - ½ Cambois Hartley }	9.45	314.37	1.70	1.53	3.23	3	1.25	33.75	33.18	8	32	713	"	- ditto - - ditto.
9 " -	10½	Cowpen Cambois Hartley.	8.35	321.77	2.38	1.61	3.99	5	3.1	3.89	39.65	7	29	762	"	- ditto. Both smoke consumers kept fully open.

Portsmouth Yard,
1 October 1875.

William Henry Steil,
Chief Engineer.

BENHAR COAL.

Extract from Officers' Letter, N.S., 4418-75.

Benhar Coal.

Respecting Trial of Benhar Coals.

Sir,

Portsmouth Yard, 13 October 1875.

WE have the honour to forward herewith tabulated results of the trials made at the coal-testing boiler here with Benhar coals. From these results it will be seen that with this coal the evaporation per lb. of fuel and per square foot of fire-grate per hour, and also the speed of burning per square of fire-grate, are all very good, and we are of opinion that with the use of the smoke-preventing apparatus it would be found to be a very suitable coal for the service.

We have, &c.

W. B. Robinson,

Chief Constructor.

William Henry Steil,

Chief Engineer.

The Admiral Superintendent.

Forwarded,

F. L. McClintock,

Admiral Superintendent.

14 October 1875.

SPECIAL TRIALS of Benhar Coal.

Weight of Block of Benhar Coal in Air, 9 lbs. 10 oz.; ditto in Water, 2 lbs. 2 oz.; Specific Gravity, 1.28.

DATE OF TRIAL.	Coal used in Trial.	DESCRIPTION OF COAL.	Number of Lbs. of Water Evaporated by 1 lb. of Coal, calculated from the Temperature of 100°.	Number of Lbs. of Water Evaporated per Square Foot of Fire-grate per Hour, calculated from the Temperature of 100°.	Per-centage of Clinker and Ash.			Smoke Numbers.			Number of Lbs. of Coal burnt per Square Foot of Fire-grate per Hour.	Deposit of Soot.	Cinders re-burnt.	Temperature in Funnel.	Draught in Funnel	REMARKS.
					Clinker.	Ash.	TOTAL.	Maximum.	Average.	Per-centage of Time of no Smoke.						
1875:	Cwts.											lbs.	lbs.	degs.	in.	
4 Oct.	- 10½	Benhar coal - - -	9.21	236.85	2.30	1.53	3.83	2	1.5	3.89	26.88	7	42	791	0.25	Length of fire-grate, 4 feet; area over bridge, 170 square inches; coals, hand picked; thick fires. Both smoke consumers kept fully open.
5 "	- 10½	Benhar - - -	9.21	238.54	1.87	1.70	3.57	2	1.2	14.77	25.26	8	48	785	0.25	Ditto - ditto - thin fires.
6 "	- 20	Benhar - - -	9.24	231.92	1.52	1.29	2.81	2	1.08	40.21	25.35	14	90	772	0.25	Ditto - ditto - thin fires.
7 "	- 10½	{ ½ Benhar ½ Ocean Merthyr	9.46	234.77	2.21	1.95	4.16	2	.7	51.17	24.52	8	37	755	0.25	Ditto - smoke consumers opened full, alternately, after each firing; thick fires.
8 "	- 10½	{ ¼ Benhar ¾ Ocean Merthyr	9.59	234.36	2.04	2.04	4.08	3	.68	52.27	25.26	9	40	757	0.25	Ditto - smoke consumers half open alternately for 3 minutes after each firing; thick fires.
9 "	- 10½	Benhar (used as taken from the heap).	9.02	232.32	2.81	2.04	4.85	2	.8	30.5	25.45	8	49	750	0.25	Ditto - both smoke consumers kept fully open; thin fires; coals used as taken from the heap, large and small together.
28 "	- 10½	Ocean Merthyr -	9.73	223.89	1.36	2.21	3.57	3	.93	59	24.00	9	32	762	0.25	Ditto - coals, hand picked; no smoke consumers used; thick fires.

W. B. Robinson,
Chief Constructor.William Henry Steil,
Chief Engineer.Portsmouth Yard,
13 October 1875.

ATLANTIC MERTHYR.

(N. S. 4694—75.)

Atlantic Merthyr Coals, respecting Trials of.

Atlantic Merthyr.

Sir,

Portsmouth Yard, 4 November 1875.

WE have the honour to forward herewith the results obtained at the coal-testing boiler here on the trials of Atlantic Merthyr coals sent in by the London and South Wales Coal Company.

From these results it will be observed that the evaporation per lb. of fuel, and per square foot of firegrate, are both very good, and come up to the best Welsh steam coals in these respects. The total refuse is also low, and shows it to contain much less ash and clinker than is usual with Welsh coals. The smoke numbers are higher, but not so much so but that with attention to the smoke consumers, no inconvenience need be experienced from this source.

From the above, we are of opinion that this coal is quick burning and economical in use, and is good and fit for the service.

We have, &c.

William Henry Steil,
Chief Engineer.

The Admiral Superintendent.

Edward Newman,
First Assistant.

SPECIAL TRIALS of "Atlantic Merthyr" Coal.

Weight of Block in Air, 4 lbs. 15 oz.; Weight of Block in Water, 1 lb. 3 oz.; Specific Gravity, 1.32.

DATE OF TRIAL.	Coal used in Trial.	DESCRIPTION OF COALS.	Number of Lbs. of Water Evaporated by 1 lb. of Coal, calculated from the Temperature of 100°.	Number of Lbs. of Water evaporated per Square Foot of Firegrate per Hour, calculated from the Temperature of 100°.	Per-centage of Clinker and Ash.			Smoke Numbers.			Number of Lbs. of Coal burnt per Square Foot of Firegrate per Hour.	Deposit of Soot.	Cinders re-burnt.	Temperature in Funnel.	Draught in Funnel.	REMARKS.
					Clinker.	Ash.	TOTAL.	Maximum.	Average.	Per-centage of Time of no Smoke.						
1875: 27 Oct.	Cwts. 10½	Atlantic Merthyr	9.60	223.43	1.27	1.53	2.80	2	1.03	6	22.70	lbs. 9	lbs. 37	deg. 732	in. 3	Length of firegrate ft.; area over brick 170 square inch. common wrought-iron fire-bars, ½-in. spaced thin fires. Smoke consumers opened alternately after firing.
28 "	10½	Atlantic Merthyr	9.72	241.97	1.53	1.19	2.72	2	.53	52.5	24.35	8	34	779	3	Ditto - ditto; thin fires. Smoke consumers both kept open.
29 "	20	Atlantic Merthyr	9.68	233.15	1.52	1.25	2.77	2	.62	51.46	24.23	15	68	765	3	Ditto - ditto.
1 Nov.	10½	Atlantic Merthyr Cowpen Cambois Hartley	9.36	242.18	1.78	1.61	3.39	2	1.1	25	25.45	8	32	780	3	Ditto - ditto. Smoke consumers fully open.
2 "	10½	Atlantic Merthyr Cowpen Cambois Hartley	9.07	243.48	2.04	1.53	3.59	3	1.49	-	26.46	8	30	783	3	Ditto - ditto.
1 Oct.	10½	Cowpen Cambois Hartley (as used in the above trials).	8.23	239.40	2.38	1.36	3.74	4	1.93	5.42	27.77	7	31	793	3	Ditto - ditto.

Portsmouth Yard,
4 November 1875.

William Henry Steil,
Chief Engineer.

WELSH BITUMINOUS COALS.

(N. S. 3056—75.)

Trial of Coals.

Welsh Bituminous
Coals.Her Majesty's Dockyard, Portsmouth,
8 April 1875.

Sir,

WE have the honour to forward herewith the tabular results of the trials made at the coal-testing boiler with the 13 kinds of Welsh bituminous coals, which have been received separately and mixed with Powell's Duffryn, together with trials of Powell's Duffryn alone, and mixed with Cowpen Hartley for comparison.

Two trials of each coal separately were made to ascertain the best mode of firing with it, and a third trial of each mixed with Powell's Duffryn.

An additional trial was made with the "Tredegar," to determine if an increased space between the bars would be beneficial, but as no better results were obtained, the remainder of the trials were made with half-inch air spaces.

The whole of the trials were made on a 4-foot length of fire grate, which has been the practice for some time past, and it will be observed that in one case only, viz., Elled Vein, did the rate of combustion of the fuel unmixed come up to 24 lbs. per square foot of grate per hour, but if this rate of combustion is still desired, the grate can be shortened to 3 feet, and another series of trials made.

The coals with the exception of the Varteg were clean burning, but all slower in evaporation per square foot of grate than the Powell's Duffryn used with them.

We have, &c.

W. B. Robinson,
Chief Constructor.*William Henry Steil,*
Chief Engineer.

Forwarded,

F. L. McClintock,
Admiral Superintendent.

9 April 1875.

SPECIAL TRIALS of Semi-bituminous Coal.

DATE OF TRIAL.	Coals used in Trial.	DESCRIPTION OF COALS.	Number of Lbs. of Water Evaporated by One lb. of Coal, calculated from the Temperature of 100°.	Per-centage of Clinker and Ash.			Number of Lbs. of Coal burnt per Square Foot of Fire-grate per Hour.	Deposit of Soot.	Cinders re- burnt.	Tem- perature in Funnel.	Draught in Funnel.	REMARKS.
				Clinker.	Ash.	TOTAL.						
9 Sept. 1874	10½ Cwts.	Tredegar Coal - - -	9.41	2.04	2.72	4.76	18.67	9	36	705	Inch.	Length of fire-grate, 4 ft.; area over bridge, 170 square inches; common fire-bars, ½-inch spaces; no smoke-consumers used; thick fires; coal caking.
10 Sept. "	10½	- ditto - - -	9.30	1.70	2.30	4.00	19.09	9	40	683	"	- ditto - ditto; thin fires.
11 Sept. "	10½	- ditto - - -	9.29	1.53	2.21	3.74	18.56	9	70	697	"	- ditto - ditto; ½-inch spaces; thick fires.
18 Sept. "	10½ {	½ Tredegar - - - ½ Powell Duffryn - -	9.44	2.21	2.47	4.68	21.68	9	35	710	"	- ditto - ditto; ½-inch spaces; thick fires.
12 Sept. "	10½	New Tredegar - - -	9.31	2.55	2.47	5.02	18.88	9	33	710	"	- ditto - ditto; ½-inch spaces; thick fires; coal caking.
14 Sept. "	10½	- ditto - - -	9.26	2.81	2.38	5.19	19.09	8	36	686	"	- ditto - ditto; thin fires.
19 Sept. "	10½ {	½ New Tredegar - - - ½ Powell Duffryn - -	9.35	3.06	2.55	5.61	25.07	9	37	702	"	- ditto - ditto; thick fires.
15 Sept. "	10½	Nanty Glo' - - -	9.32	2.04	2.38	4.42	19.09	8	34	698	"	- ditto - ditto; thick fires.
16 Sept. "	10½	- ditto - - -	9.27	2.55	2.30	4.85	18.88	9	37	695	"	- ditto - ditto; thin fires.
21 Sept. "	10½ {	½ Nanty Glo' - - - ½ Powell Duffryn - -	9.41	2.72	2.47	5.19	25.26	9	36	707	"	- ditto - ditto; thick fires.
2 Oct. "	10½	Russell's New Black Vein - -	8.88	2.72	2.89	5.61	18.46	8	35	625	"	- ditto - ditto; thick fires.
3 Oct. "	10½	- ditto - - -	8.93	3.06	3.06	6.12	18.56	9	36	653	"	- ditto - ditto; thin fires.
5 Oct. "	10½ {	½ Russell's New Black Vein - ½ Powell Duffryn - -	9.02	2.64	2.72	5.36	21.00	9	39	776	"	- ditto - ditto; thick fires.

SPECIAL TRIALS of Semi-bituminous Coal—continued.

DATE OF TRIALS.	Coals used in Trial.	DESCRIPTION OF COALS.	Number of Lbs. of Water Evaporated by One Lb. of Coal, calculated from the Temperature of 100°.	Number of Lbs. of Water Evaporated per Square Foot of Fire-grate per Hour, calculated from the Temperature of 100°.	Per-centage of Clinker and Ash.		Smoke Numbers.			Number of Lbs. of Coal burnt per Square Foot of Fire-grate per Hour.	Deposit of Soot.	Cinders re- burnt.	Tem- perature in Funnel.	Draught in Funnel.	REMARKS.
					Clinker.	Ash.	Maxi- mum.	Average.	Per- centage of Time of no Smoke.						
9 Oct. 1874	Cwts. 10½	Ebbw Vale	9.17	182.06	2.55	2.72	5.27	.80	72.50	18.36	8	37	618	Inch. ¾	Length of fire-grate, 4 ft.; area over bridge, 170 square inches; common fire-bars, ¾-inch spaces; no smoke-consumers used; coal caking; thick fires.
10 Oct. "	10½	- ditto -	9.15	179.62	2.72	2.72	5.44	.61	83.05	18.56	9	44	631	¾	- ditto - ditto; thin fires.
12 Oct. "	10½ {	½ Ebbw Vale ½ Powell Duffryn	9.27	200.93	2.55	2.98	5.53	.97	65.07	21.13	9	36	739	¾	- ditto - ditto; thick fires.
14 Oct. "	10½	Elled Vein	8.79	218.28	1.95	2.04	3.99	2.00	35.38	24.52	8	42	712	¾	- ditto - ditto; coal non-caking; thick fires.
15 Oct. "	10½	- ditto -	8.75	214.08	1.78	2.04	3.82	2.15	34.72	24.17	9	46	745	¾	- ditto - ditto; thin fires.
16 Oct. "	10½ {	½ Elled Vein ½ Powell Duffryn	9.17	228.35	2.55	2.55	5.10	1.55	39.37	24.17	9	38	742	¾	- ditto - ditto; thick fires.
28 Oct. "	10½	Blaina	9.18	184.57	2.21	2.47	4.68	1.46	34.54	18.98	8	36	617	¾	- ditto - ditto; coal caking; thick fires.
29 Oct. "	10½	- ditto -	9.13	183.31	2.64	2.55	5.19	1.62	27.95	19.53	9	39	624	¾	- ditto - ditto; thin fires.
30 Oct. "	10½ {	½ Blaina ½ Powell Duffryn	9.29	210.55	2.81	2.64	5.45	.98	47.73	22.25	9	42	671	¾	- ditto - ditto; thick fires.
2 Nov. "	10½	Jayne's Tillery	8.92	184.75	2.38	2.55	4.93	1.54	35.62	19.53	9	35	624	¾	- ditto - ditto; thick fires.
3 Nov. "	10½	- ditto -	8.85	182.24	2.64	3.06	5.70	1.29	44.79	19.53	9	40	628	¾	- ditto - ditto; thin fires.
4 Nov. "	10½ {	½ Jayne's Tillery ½ Powell Duffryn	9.11	206.07	2.98	3.06	6.04	1.67	26.82	21.54	9	39	718	¾	- ditto - ditto; thick fires.
12 Nov. "	10½	Abercarn Black Vein	8.79	191.85	2.12	2.55	4.67	1.79	34.45	19.76	8	30	667	¾	- ditto - ditto; thick fires.
13 Nov. "	10½	- ditto -	8.74	186.68	2.55	2.38	4.93	1.55	33.12	19.31	8	33	669	¾	- ditto - ditto; thin fires.
18 Nov. "	10½ {	½ Abercarn Black Vein ½ Powell Duffryn	9.04	205.03	2.31	2.81	5.62	1.78	27.22	21.68	9	34	735	¾	- ditto - ditto; thick fires.

26 Nov.	1874	10½	Risca Black Vein	-	-	8.53	182.12	2.55	2.72	5.27	6	2.42	17.04	18.98	8	35	640	Length of fire-grate, 4 feet; area over bridge, 170 square inches; common fire-bars, ¾-inch spaces; no smoke consumers used; coal caking; thick fires. - ditto - ditto; thin fires.
27 Nov.	"	10½	- ditto	-	-	8.53	179.69	2.80	2.47	5.27	6	2.54	17.04	18.56	9	39	640	- ditto - ditto; thick fires.
28 Nov.	"	10½	½ Risca Black Vein ½ Powell Duffryn	-	-	8.81	183.91	2.98	2.64	5.62	4	1.72	33.50	20.36	9	36	690	- ditto - ditto; thick fires.
30 Nov.	"	10½	Varteg	-	-	8.13	193.30	5.10	2.98	8.08	5	2.02	23.54	20.24	8	31	646	- ditto - ditto; thick fires.
1 Dec.	"	10½	ditto	-	-	8.09	183.20	5.61	2.89	8.50	5	2.14	20.33	19.53	9	38	638	- ditto - ditto; thin fires.
2 Dec.	"	10½	½ Varteg ½ Powell Duffryn	-	-	8.46	199.48	3.83	2.98	6.81	4	1.49	39.37	20.74	9	35	666	- ditto - ditto; thick fires.
3 Dec.	"	10½	Risca Rock Vein	-	-	8.34	201.15	2.89	2.47	5.36	4	1.25	48.50	20.37	8	40	651	- ditto - ditto; thick fires.
4 Dec.	"	10½	- ditto	-	-	8.30	195.28	2.98	2.55	5.53	4	1.27	43.45	20.36	8	43	644	- ditto - ditto; thin fires.
5 Dec.	"	10½	½ Risca Rock Vein ½ Powell Duffryn	-	-	8.62	205.75	2.72	2.89	5.61	4	1.14	43.05	21.13	9	35	653	- ditto - ditto; thick fires.
12 Dec.	"	10½	Abersychan	-	-	8.46	195.30	2.38	2.30	4.68	6	1.78	36.00	20.37	8	46	660	- ditto - ditto; thick fires.
14 Dec.	"	10½	- ditto	-	-	8.50	183.63	2.55	2.72	5.27	6	1.27	46.25	21.68	8	49	657	- ditto - ditto; thin fires.
15 Dec.	"	10½	½ Abersychan ½ Powell Duffryn	-	-	8.82	204.37	2.89	3.06	5.95	4	1.43	38.33	24.70	8	44	701	- ditto - ditto; thick fires.
10 June	"	10½	Powell Duffryn (as used in the preceding trials).	-	-	9.58	229.08	1.78	2.81	4.59	-	No smoke	-	24.70	9	37	722	- ditto - ditto; thick fires.

SPECIAL TRIALS of Powell Duffryn and Cowpen Cambois Hartley.

6 April	1875	10½	Powell Duffryn	-	-	9.18	219.43	3.23	2.81	6.04	2	.30	81.67	23.17	9	46	757	Length of fire-grate, 4 feet; area over bridge, 170 square inches; common fire-bars, ¾-inch spaces; thick fires; no smoke consumers used. - ditto - ditto.
6 April	"	10½	½ Powell Duffryn ½ Cowpen Cambois Hartley	-	-	8.73	230.74	2.72	2.72	5.44	3	1.13	39.08	25.07	8	44	771	- ditto - ditto.
7 April	"	10½	½ Powell Duffryn ½ Cowpen Cambois Hartley	-	-	8.98	225.70	2.72	2.55	5.27	3	.99	37.85	24.00	9	43	761	- ditto - ditto.
24 July	1874	10½	Cowpen Cambois Hartley	-	-	8.10	239.40	1.70	2.04	3.74	6	2.64	2.50	29.22	8	33	796	- ditto - ditto.

W. E. Robinson,
Chief Constructor.
William Henry Steel,
Chief Engineer.

"GRINDER."

RESPECTING Fifteen kinds of Welsh Bituminous Coals for Trial.

(N. S. 1045—76.)

Sir,

Portsmouth Yard, 23 February 1876.

WITH reference to your memorandum of 18th on Controller's letter of 15th August 1874, (N. S. 3542—5738), and subsequent correspondence, we have the honour to report that the directions therein contained have been complied with except as follows:—

Powell's Duffryn for comparison not being obtainable, one of the best semi-anthracite coals at hand "Ynysfaio Merthyr" was substituted.

From the trials made of the bituminous coals unmixed, we considered that two trials of them mixed with "Ynysfaio Merthyr" would be sufficient to determine their value as mixed coals, and thinking the opportunity a favourable one in regard to efficiency of the vessel and state of the weather, they were carried out, and the results are included with those of the coal unmixed. The force of the wind on these trials varied from a calm to a fresh breeze, but in both these extreme cases the draught in the stokehole was not materially different to what it was when the wind was moderate, say force 2 to 3, and it would have been impracticable to obtain a nearer approximation to the directions contained in paragraph 8 of the order above-mentioned, without extending the trials over a much longer period. The vessel in all cases was kept by the master, Mr. Main, in smooth water.

Before commencing each of the six-hour trials the vessel was run for a time to bring the fires into good condition, and to afford sufficient indication of the power likely to be realised by the coal under trial to enable the throttle and expansion valves to be adjusted, so as to use up all the steam generated, and to keep the pressure as nearly as possible at the blowing off point.

Indicator diagrams were taken at the middle of each half hour of each trial, and any necessary adjustment of throttle or expansion valves was made at the beginning or end of the half hour, so that the diagrams may be taken to represent as nearly as practicable the average power developed during that time.

On the first trial which was made with "Varteg" the air space between the fire-bars was 5-8ths of an inch, but a considerable amount of ash being made, this space was reduced to half an inch, at which it was kept on all the subsequent trials.

The Prideaux's furnace doors on port boiler were adjusted to admit air for about six minutes after firing on all the trials, with the exception of that of "Ynysfaio Merthyr," when the time was four minutes, and the Martin's doors on starboard boiler were kept more or less open according to the smoke produced.

On nearly the whole of these trials it will be noticed that the power fell off during the latter portions; this was due to the accumulation of clinker in the fires; "pricking" was resorted to more or less as the state of the fires required, but it was not considered desirable to attempt a thorough cleaning of the fires in such a short space of time as the trials occupied. It will, however, be noticed that when using "Ynysfaio Merthyr" and Cowpen Hartley in equal proportions, we had to thoroughly clean the front bars of each furnace after three hours running, and even then only maintained a power considerably less than that obtained during the first three hours of the trial, although the pricker was kept in constant use; this was owing to the formation over the whole extent of the bars of a thin layer of slag, which considerably checked the draught through the fires, and ran together almost immediately after being disturbed by the "pricker," and it was further most difficult to remove from the bars while they were hot. We are of opinion, however, that had the fires been thoroughly cleaned during the trial, that an average power more nearly approximating that obtained during the first three hours could have been maintained, but as we had not resorted to this expedient on the trials of the bituminous coals, it would have been exceptional to have done so on this, or on the trial of "Ynysfaio Merthyr" alone.

It will be seen that the maximum variation in the power of the coals as shown by work done in "Grinder" is 25 per cent., taking "Varteg" as showing the lowest, and "New Tredegar" the highest indicated horse-power.

In carrying out these trials the character of the coals as to their fitness for long stowage and transportation, *i. e.*, their hardness and freedom from pyrites has been observed, and according as these good qualities or the reverse exist in the several specimens, so have we arranged them in classes suitable for foreign or home service, looking upon a soft coal containing in appearance a large amount of pyrites and other substances as being unsuitable for foreign service and long stowage, while those of a hard and free burning character and clean in appearance, we think may be recommended as a fair average sample of bituminous fuel for foreign service. The "New Tredegar," more especially at the

the same time the soft class, can only be recommended for consumption in vessels on home service, and where long stowage of large quantities is not likely to occur.

In arranging these coals in the order of hardness, we have not put them to any other test than that they would undergo in practice, observing their friable condition and the way in which they broke up under the hammer into pieces of suitable sizes for burning.

The "New Tredegar" is the best coal of the bituminous samples tried, the power obtained being higher, more regular, and with a less expenditure of labour.

"Risca Black Vein," the second on the list of hard coal, though not so economical a fuel as others, is characterised by qualities of hardness and freedom from pyrites, which gives it the preference. In selecting specimens for mixture, of the hard and soft varieties, with "Ynysfaio Merthyr," "New Tredegar," a hard coal, was chosen for its superior quality, and "Jayne's Tillery," a soft coal, as an average good sample of the same.

We have kept in view the kind of clinker formed, this being an important consideration in the amount of labour required in working the coal. In some cases a fusible slag was formed early in the trials, which covered the fire-bars with a soft, pasty, and very tenacious coating, checking the draught and necessitating a very frequent use of the "pricker;" this on a prolonged trial would considerably affect the relative positions of economical value of the coals. Nearly all the samples contained more or less a number of fine seams of charcoal and dirt, the precise nature of which, also the amount of pyrites present, could be better determined by chemical analysis.

The economical values of the coals will be seen on reference to the summary of trials, but their relative values otherwise considered as to their fitness for the service do not follow in the same order, but would seem to stand as follows, if preference is to be given to those of a cleaner description, of a harder character, and requiring less labour to work them, and it may be added, those less destructive to the fire-bars.

SOFT COALS.

Pounds of Coals per Indicated Horse-power.	The order in which they stand with regard to Economy.	The order in which they stand with regard to comparative Hardness, freedom from Pyrites and Dirt, and requiring less labour to work them.
4.63	Russell's Black Vein - -	Jayne's Tillery.
4.64	Blaina - - -	Tredegar.
4.89	Nanty Glo - - -	Abercorn.
5.09	Jayne's Tillery - - -	Russell's Black Vein.
5.09	Tredegar - - -	Ebbw Vale.
5.24	Risca Rock - - -	Nanty Glo.
5.43	Elled Vein - - -	Risca Rock.
5.45	Ebbw Vale - - -	Abersychan.
5.46	Abercorn Black Vein - -	Elled Vein.
5.89	Varteg - - -	Blaina.
5.90	Abersychan - - -	Varteg.

HARD COALS.

4.59	New Tredegar - - -	New Tredegar.
5.53	Risca Black Vein - - -	Risca Black Vein.

Welsh Bituminous
Coals.

The order in which they stand in regard to Horse-power, developed :—

SOFT COALS :	Indicated Horse-power.	SOFT COALS--continued.	Indicated Horse-power.
Risca Rock - - - -	512·27	Ebbw Vale - - - -	441·53
Russell's New Black Vein -	491·63	Abersychan - - - -	436·76
Elled Vein - - - -	488·04	Varteg - - - -	418·12
Jayne's Tillery - - -	483·65		
Abercarn Black Vein - -	471·76	HARD COALS :	
Tredegar - - - -	469·89	New Tredegar - - -	523·59
Nanty Glo - - - -	458·04	Risca Black Vein - - -	479·06
Blaina - - - -	457·85		

We have, &c.

<i>Charles L. Waddilove</i> , Captain Steam Reserve.	<i>C. J. Martin</i> , Chief Engineer.
<i>George Cook</i> , for Chief Inspector of Machinery Afloat.	<i>Wm. Henry Steil</i> , Chief Engineer.
On Leave : Chief Constructor.	<i>Edward Newman</i> , First Assistant.

P.S.—Tabular results of 18 No. six hour trials, also a summary of the same, are here-
with, but the smoke forms and tracings of indicator diagrams not being yet ready, owing
to the large number of steam trials recently made, will be forwarded in a few days.
W. H. S.

Forwarded.

23 February 1876.

F. L. M'Clintock,
Admiral Superintendent.

HER MAJESTY'S SHIP "GRINDER."

SIX HOURS' TRIAL with Varteg Coal.—8th December 1875.

Half-Observed hours.	W I N D.		Pressure of Steam.		Vacuum in Condensers.		Revolutions of Engines.		Mean Pressure in Cylinders.		Indicated Horse- power. per Hour.	Coal Expended.		Temperatures.			Smoke.			
	Force.	Direction.	Boilers.		Star- board.	Port.	Counter.	Per Minute.	Per Horse- power. per Hour.	Per Square Foot of Fire- grate per Hour.		Stokehole.		Base of Funnel.	Deck.	Maxi- mum.	Average.	Time of no Smoke.		
			Actual.	Relative to Vessel.								Star- board.	Port.						Star- board.	Port.
H. M.																				
1	9 0	2 to 3	N.N.W.	22	21½	26½	26½	893	29.76	12.80	392.06	5.71	1120	19.91	78	650.50	36	3	1.36	6 0
	to		Just before the beam.																	
2	10 0	2 to 3	N.N.W.	25	24	26½	26½	898	29.93	13.35	411.24	6.53	1344	23.89	89	681.16	37	6	1.88	8 30
3	10 30	2	N.N.W.	25	24	26½	26½	892	29.73	13.55	414.62	5.94	1232	21.90	97	668.16	38	4	1.63	2 0
4	11 0	2	N.N.W.	23½	21½	26½	26½	880	29.33	14.00	422.62	5.83	1232	21.90	86	660.50	38	5	2.40	3 0
5	11 30	2 to 3	N.N.E.	24	22½	26	26	873	29.16	14.45	432.78	5.69	1232	21.90	95	679.83	38	4	2.05	3 30
6	12 0	2	N.N.E.	24	21½	26½	26½	872	29.06	14.10	421.72	5.84	1232	21.90	91	750.50	37	5	3.16	0 0
Mean	-	2.25	-	23.91	22.5	26.41	26.5	884.66	29.48	13.708	415.92	5.92	1232	21.90	89.3	681.77	37.3	6	2.08	4 20
7	12 30	2	N.N.E.	24½	22	26½	26½	905	30.16	14.45	448.54	5.49	1232	21.90	98	763.66	39	5	3.06	0 0
8	1 0	3	N.N.E.	23	21½	26½	26½	950	31.66	13.75	448.05	5.50	1232	21.90	106	750.00	39	5	2.63	0 0
9	1 30	3	N.N.E.	21½	20	26½	26½	888	29.60	13.80	420.41	5.86	1232	21.90	102	741.50	39	3	2.06	1 0
10	2 0	3	N.N.E.	21½	20	26½	26½	877	29.23	14.10	424.20	5.80	1232	21.90	85	748.66	38	4	2.53	2 0
11	2 30	3	N.N.E.	22	20½	26½	26½	872	29.06	14.05	420.22	5.86	1232	21.90	83	747.83	39	3	2.36	2 0
12	3 0	3	N.N.E.	18	16½	26½	26½	842	28.06	12.55	362.44	6.79	1232	21.90	96	691.00	38	4	2.20	0 0
Mean	-	2.83	-	21.75	20.08	26.5	26.58	889	29.63	13.783	420.32	5.86	1232	21.90	95	743.77	38.6	5	2.47	0 50
MEAN OF MEANS		2.54	-	22.83	21.29	26.45	26.54	886.83	29.56	13.745	418.12	5.89	1232	21.90	92.16	712.77	38	6	2.27	2 35

Per-centage of Ashes and Cinders made during Six Hours - - - 12.5
 Ditto - Clinker made during whole Trial - - - 1.13
 Density of Water in Boilers - - - 14 to 17

Coal. Free burning and moderately hard, but showing the presence of a large amount of Pyrites.
 Clinker. Slag and Shale.

Chas. L. Waddilore,
 Captain of Steam Reserve.

Geo. Cook,
 For Chief Inspector of Machinery Agent
 C. J. Martin, Chief Engineer.

Wm. Hy. Steil,
 Chief Engineer of the Dockyard.

Edwd. Newman,
 First Assistant to Chief Engineer.

Portsmouth Yard,
 23 February 1876. }
 Vide Officer's Letter of this date.

HER MAJESTY'S SHIP "GRINDER."
SIX HOURS' TRIAL with Abersychan Coal.—9th December 1875.

SIX HOURS TRIAL WITH 2200 H.P. ENGINE										SIX HOURS TRIAL WITH 2200 H.P. ENGINE											
Half- Observed hours. Time.	WIND.		Pressure of Steam.		Vacuum in Condensers.		Revolutions of Engines.		Mean Pressure in Cylinders.		Coal Expended.		Temperatures.			Smoke.					
	Force.	Direction.	Boilers.	Engine-room.	Star-board.	Port.	Counter.	Per Minute.	Indicated Horse-power.	Per Indicated Horse-power per Hour.	Total.	Per Square Foot of Fire-grate per Hour.	Stokehole.	Base of Funnel.	Deck.	Maxi-mum.	Average.	Time of no Smoke.			
1	H. M.																				
2	9 0	1 to 2	N.W.	Starboard bow	22½	21	26½	26½	28·70	12·85	379·57	7·08	1344	23·89	77	76	676·63	33	4	1·10	13 0
3	9 30	1 to 2	N.W.	ditto	24	22	26½	26½	29·88	14·45	443·64	6·05	1344	23·89	83	80	736·83	34	5	1·80	8 0
4	10 0	2 to 3	N.W.	Starboard beam	23½	20	26½	26½	29·76	14·40	441·07	5·58	1232	21·90	92	86	758·66	38	4	1·56	8 0
5	10 30	3 to 4	N.W.	ditto	22½	20½	26½	26½	29·43	14·35	434·67	5·66	1232	21·90	96	94	720·00	38	4	1·90	5 0
6	11 0	3 to 4	N.W.	Port beam	20	18½	26½	26½	29·13	13·95	418·24	5·89	1232	21·90	95	98	733·66	38	4	2·01	1 30
7	11 30	3 to 4	N.E.	ditto	23½	21½	26½	26½	29·53	14·50	440·71	5·59	1232	21·90	84	79	767·00	36	6	2·16	4 0
8	12 0	3 to 4	N.E.		22·66	20·58	26·41	26·33	29·40	14·083	426·14	5·95	1269·3	22·56	87·23	85·3	732·13	36·16	6	1·75	6 35
Mean	-	2·66	-	-	-	-	-	882	-	-	-	-	-	-	-	-	-	-	-	-	-
9	12 30	3	N.N.E.	Port bow	24	22	26½	26½	30·46	15·00	470·25	5·24	1232	21·90	85	79	820·30	36	6	2·34	5 20
10	1 0	2	N.N.E.	ditto	23½	21½	26½	26½	30·16	14·40	447·00	5·51	1232	21·90	83	79	816·33	37	3	1·40	3 0
11	1 30	2	N.N.E.	ditto	23½	21	26½	26½	29·86	14·30	439·47	6·11	1344	23·89	93	91	797·50	37	4	2·23	0 0
12	2 0	2	N.N.E.	Port beam	23	21½	26½	26½	29·76	14·50	444·14	6·05	1344	23·89	93	89	826·66	38	4	1·86	9 0
13	2 30	2	N.N.E.	Port bow	21	19	26½	26½	29·66	14·40	439·59	6·11	1344	23·89	93	88	820·83	38	3	1·23	9 0
14	3 0	2	N.N.E.	ditto	24	21½	26½	26½	29·56	14·60	444·19	6·05	1344	23·89	84	78	781·16	38	4	2·13	5 0
Mean	-	2·16	-	-	23·16	21·08	26·37	26·37	29·91	14·523	447·39	5·84	1306·66	23·22	88·5	84	810·46	37·3	6	1·78	5 13½
MEAN OF MEANS -	2·41	-	-	-	22·91	20·83	26·39	26·35	29·65	14·308	436·76	5·90	1283	22·89	88·16	84·75	771·29	36·24	6	1·76	5 54½

Coal. Free burning and moderately hard, but showing the presence of a large amount of Pyrites.
Clinker. Slag and Shale.

Wm. Hy. Steil,
Chief Engineer of the Dockyard.
Edwd. Newman,
First Assistant to Chief Engineer.

Chas. L. Waddilove,
Captain of Steam Reserve.
Geo. Cook,
For Chief Inspector of Machinery Afloat.
C. J. Martin, Chief Engineer.

Per-centage of Ashes and Cinders made during Six Hours - 7·60
Ditto - Clinker made during whole Trial - 1·26
Density of Water in Boilers - 16 to 18

Portsmouth Yard,
23 February 1876.

Vide Officer's Letter of this date.

HER MAJESTY'S SHIP "GRINDER."
SIX HOURS' TRIAL with Nanty-Glo Coal.—10th December 1875.

Half- hours.	Observed Time.	W I N D.		Pressure of Steam.		Vacuum in Condensers.		Revolutions of Engines.		Mean Pressure in Cylinders.	Indicated Horse- power.	Coal Expended.		Temperatures.			Smoke.				
		Force.	Direction.	Boilers.	Engi- neer- room.	Star- board.	Port.	Counter.	Per Minute.			Per Horse- power per Hour.	Total.	Per Squate Foot of Fire- grate per Hour.	Stokehole.		Base of Funnel.	Deck.	Maxi- mum.	Time of Average. Smoke.	
															Actual.	Relative to Vessel.					
1	H. M. 8 50 to 9 20	2	N.W.	23½	20½	26¼	26¼	904	30.13	15.60	483.76	5.09	1232	21.90	85	77	665.66	37	2	.85	8 50
2	9 50	2	N.W.	20	18	26½	26½	856	28.53	13.10	384.66	5.24	1008	17.92	82	79	617.16	36	2	1.33	3 0
3	10 20	1	N.W.	20½	18½	26½	26½	867	28.90	13.20	392.63	1.70	1120	19.91	83	77	646.50	38	2	.67	13 35
4	10 50	2	N.	24	22	26½	26½	887	29.56	14.65	445.72	5.02	1120	19.91	58	84	666.33	42	3	.76	13 0
5	11 20	2	N.	20½	18	26½	26½	878	29.26	13.90	418.60	5.35	1120	19.91	105	91	673.66	41	2	1.10	8 0
6	11 50	2	N.	25	23	26¼	26¼	921	30.70	16.20	511.87	4.37	1120	19.91	104	90	700.66	42	3	1.23	10 0
Mean . .		1.83	-	22.25	20	26.48	26.33	885.5	29.51	14.44	438.62	5.10	1120	19.91	92.83	83	661.66	39.3	3	.99	9 24½
7	12 20	2	N.	25	23	26½	26½	922	30.73	15.80	499.72	4.48	1120	19.91	110	92	720.66	43	2	1.23	6 0
8	12 50	2	N.	22½	20½	26½	26½	914	30.46	15.55	487.50	4.59	1120	19.91	112	94	706.33	42	2	1.26	7 0
9	1 20	2	N.	23½	21	26½	26½	906	30.20	15.25	474.01	4.72	1120	19.91	104	95	703.00	42	2	.96	8 0
10	1 50	2	N.W.	22	20	26½	26½	896	29.86	14.80	454.85	4.92	1120	19.91	108	94	696.00	42	3	.91	8 45
11	2 20	2	N.W.	23½	22	26½	26½	905	30.16	15.15	470.28	4.76	1120	19.91	97	91	712.00	42	5	2.11	1 0
12	2 50	2	N.W.	24	22½	26½	26½	916	30.53	15.25	479.20	4.67	1120	19.91	93	85	705.66	42	6	2.66	2 0
Mean . .		2	-	23.41	21.5	26.41	26.41	909.83	30.32	15.30	477.46	4.69	1120	19.91	104	91.83	707.27	42.16	6	1.54	5 27½
MEAN OF MEANS -		1.91	-	22.83	0.75	26.44	26.37	897.66	20.92	14.870	453.04	4.89	1120	19.91	98.41	87.41	684.46	40.74	6	1.26	7.25½

Coal. Soft and clean in appearance, but showing the presence of sulphur in the flame and in the ashes. This coal cakes very rapidly, and requires constant agitation, necessitating a larger amount of labour in the working of it.

Clinker. Shale and soft Slag.

Chas. L. Waddilove,
Captain of Steam Reserve.

Geo. Cook,
For Chief Inspector of Machinery Afloat.

C. J. Martin, Chief Engineer.

Wm. Ha. Steel,
Chief Engineer of the Dockyard.

Edwd. Newman,
First Assistant to Chief Engineer.

Portsmouth Yard,
23 February 1876. }
Vide Officer's Letter of this date.

HER MAJESTY'S SHIP "GRINDER."

SIX HOURS' TRIAL with Elled Vein Coal.—13th December 1875.

Half-Hours.	Observed Time.	W I N D.		Pressure of Steam.		Vacuum in Condensers.		Revolutions of Engines.		Mean Pressure in Cylinders.	Indicated Horse-power.	Coal Expended.			Temperatures.			Smoke.			
												Per Indicated Horse-power per Hour.	Total.	Per Square Foot of Fire-grate per Hour.	Stokehole.	Base of Funnel.	Deck.			Maximum.	Average.
		Actual.	Relative to Vessel.	Boilers.	Engine-room.	Star-board.	Port.	Counter.	Per Minute.												
1	H. 9 45 M. to	Calm	Calm	23	20½	26½	26½	903	30.10	15.45	478.63	6.55	1568	27.87	78	82	706.33	40	6	1.70	9 0
2	10 15	ditto	ditto	25	23	26½	26½	940	31.33	16.30	525.60	5.96	1568	27.87	84	84	772.66	46	7	3.13	0 0
3	10 45	ditto	ditto	25	22½	26	26	936	31.20	16.85	541.08	4.96	1344	23.89	88	87	774.33	52	7	3.13	7 0
4	11 15	ditto	ditto	23	20½	26½	26	926	30.86	16.00	508.20	5.29	1344	23.89	87	85	786.66	51	7	2.66	6 0
5	11 45	ditto	ditto	24½	21½	26	26	926	30.86	16.75	532.01	5.05	1344	23.89	89	87	831.33	44	7	4.43	1 0
6	12 15	ditto	ditto	23½	20	26	26	921	30.70	16.25	513.45	5.23	1344	23.89	91	88	795.33	42	7	5.46	0 0
6	12 45	ditto	ditto																		
Mean	-	Calm	-	24	21.37	26.16	26.16	925.33	30.84	16.266	516.30	5.49	1418.66	25.22	86.16	85.5	777.77	45.83	7	3.41	3 50
7	1 15	Calm	Calm	20	18	26½	26½	914	30.46	15.30	479.65	5.60	1344	23.89	91	91	765.00	41	7	4.0	0 0
8	1 45	ditto	ditto	22	19½	26½	26½	903	30.10	15.15	469.34	5.72	1344	23.89	88	88	752.00	41	7	5.36	0 0
9	2 15	ditto	ditto	20	18	26½	26½	903	30.10	15.30	474.00	5.19	1232	21.90	91	88	782.16	42	7	6.03	6 0
10	2 45	ditto	ditto	22	19	26½	26½	904	30.13	15.70	486.86	5.06	1232	21.90	96	92	793.50	42	7	4.63	0 0
11	3 15	ditto	ditto	23	20	26½	26½	876	29.20	14.30	429.76	5.21	1120	19.91	89	90	840.83	42	6	2.60	2 0
12	3 45	ditto	ditto	22½	19½	26½	26½	874	29.13	14.05	421.23	5.31	1120	19.91	88	86	811.50	42	7	2.03	8 0
Mean	-	Calm	-	21.58	19	26.46	26.41	895.66	29.85	14.966	459.78	5.36	1232	21.90	90.5	89.16	790.83	41.6	7	4.24	1 40
MEAN OF MEANS.		Calm	-	22.79	20.18	26.31	26.28	910.5	30.25	15.616	488.04	5.43	1325.33	23.56	88.3	87.3	784.30	43.74	7	3.82	2 45

Per centage of Ashes and Cinders made during Six Hours - 9.50
 Ditto - Clinker made during whole Trial - 2.11
 Density of Water in Boilers - 16 to 19

Coal. Rather soft, showing a large amount of Pyrites. After the fourth hour, the fires became dirty, and required very frequent pricking.
 Clinker. Heavy Slag.

Chas. L. Waddilove,
 Captain of Steam Reserve.

Geo. Cook,
 For Chief Inspector of Machinery Afloat.

Portsmouth Yard,
 23 February 1876.

Wm. Hy. Steel,
 Chief Engineer of the Dockyard.

Edmd. Newman,
 First Assistant to the Chief Engineer.

Vide Officer's Letter of this date.

HER MAJESTY'S SHIP "GRINDER."
SIX HOURS' TRIAL with Tredegar Coal.—20th December 1875.

Half-Observed hours. Time.	W I N D.		Pressure of Steam.		Vacuum in Condensers.		Revolutions of Engines.		Mean Pressure in Cylinders.	Coal Expended.			Temperatures.			Smoke.							
	Force.	Direction.	Boilers.		Star- board.	Port.	Counter.	Per Minute.		Indicated Horse- power.	Per Indicated Horse- power per Hour.	Total. Feet of Fire- grate per Hour.	Per Square Foot of Fire- grate per Hour.	Stokehole.	Base of Funnel.	Deck.	Maxi- mum.	Average.	Time of no Smoke.				
			Actual.	Relative to Vessel.																Engine- room.			
H. M.																							
1	8 45	4 to 5	S.W.	Port bow	-	24	21	26	26	30-80	16-35	518-30	5-18	1844	23-89	83	90	642-83	47	2	66	15	0
2	9 15	4 to 5	S.W.	- ditto	-	24	22	26	26	30-80	15-90	504-03	4-88	1232	21-90	84	86	659-50	46	4	1-36	9	0
3	10 15	5	S.W.	- ditto	-	25	22	26	26½	30-60	16-20	510-21	4-83	1232	21-90	80	78	730-66	46	5	1-03	12	0
4	10 45	6	S.W. by S.	- ditto	-	26	22	26	25½	30-56	16-65	523-70	4-70	1232	21-90	81	80	763-33	46	3	63	17	0
5	11 15	6	S.W. by S.	Starboard quar- ter.	-	21	19	26½	26½	30-30	13-90	433-48	5-16	1120	19-91	91	96	670-50	46	5	1-13	9	0
6	11 45	6	S.W. by S.	- ditto	-	21½	18	26	26½	30-26	14-95	465-61	4-81	1120	19-91	93	93	694-16	48	6	2-16	13	0
Mean	-	5-33	-	-	-	23-58	20-66	26-04	26-08	30-55	15-658	492-33	4-92	1213-33	21-57	85-3	87-16	693-49	46-5	6	1-16	12	30
7	12 15	6	S.W. by S.	Starboard quar- ter.	-	23½	20½	26	26	30-43	15-25	477-62	5-15	1232	21-90	95	107	680-83	47	6	2-16	2	0
8	12 45	6	S.W. by S.	- ditto	-	23	20	26	26	29-23	15-20	457-27	5-39	1232	21-90	78	80	738-00	47	5	96	9	0
9	1 15	6	S.W.	Port bow	-	22½	20	26	26	29-83	14-45	443-64	5-05	1120	19-91	92	96	705-00	47	4	1-20	6	0
10	1 45	6	S.W.	- ditto	-	24	21	26	26½	29-50	14-90	452-40	5-44	1232	21-90	93	102	695-00	48	5	1-33	8	0
11	2 15	6	S.W.	- ditto	-	22½	19½	26	26½	29-46	14-00	424-49	5-27	1120	19-91	94	102	678-83	48	2	66	12	0
12	2 45	6	S.W.	- ditto	-	22	19½	26	26½	29-53	14-15	430-06	5-20	1120	19-91	92	100	702-66	48	2	1-10	3	0
Mean	-	6	-	-	-	22-91	20-08	26-04	26-08	29-66	14-658	447-46	5-25	1176	20-90	90-6	97-83	699-72	47-5	6	1-23	6	40
MEAN OF MEANS -	5-66	-	-	-	-	23-24	20-37	26-04	26-08	30-11	15-158	469-89	5-09	1194-66	21-23	88-00	92-50	696-60	47	6	1-19	9	35

Per-centage of Ashes and Cinders made during Six Hours - 9-37
Ditto - Clinkers made during whole Trial - 1-36
Density of Water in Boilers - 16 to 18

Coal. Rather soft and moderately caking. Very little appearance of Pyrites, but containing a large number of fine seams of charcoal and dirt.
Clinker, Shale.

Chas. L. Waddilove,
Captain of Steam Reserve.
Geo. Cook,
For Chief Inspector of Machinery Afloat.
C. J. Martin, Chief Engineer.

Wm. Hy. Steel,
Chief Engineer of the Dockyard.
Edwd. Newman,
First Assistant to Chief Engineer.

Portsmouth Yard, }
23 February 1876. }
Vide Officer's Letter of this date.

HER MAJESTY'S SHIP "GRINDER."

SIX HOURS' TRIAL with Jayne's Tillery Coal.—21st December 1875.

Portsmouth Yard,
23 February 1876. }
Vide Officer's Letter of this date.

PERCENTAGE OF ASHES AND CINDERS MADE DURING SIX HOURS
Ditto - Clinker made during whole Trial - - - 10.22
Density of Water in Boilers - - - - - 1.89

COAL. Soft and slightly caking. Very little appearance of Pyrites, but containing a large number of fine seams of charcoal and dirt.
Clinker. Principally Shale.

Chas. L. Waddilove,
Captain of Steam Reserve.
Geo. Cook,
For Chief Inspector of Machinery Afloat.
C. J. Martin, Chief Engineer.

Wm. Hy. Steel,
Chief Engineer of the Dockyard.
Eldred Newman,
First Assistant to Chief Engineer.

Half hours.	Observed Time.	WIND.		Pressure of Steam.		Vacuum in Condensers.		Revolutions of Engines.		Indicated Horse-power.	Coal Expended.		Temperatures.			Smoke.				
		Force.	Direction.	Boilers.	Engine-room.	Star-board.	Port.	Counter.	Per Minute.		Per Indicated Horse-power per Hour.	Total.	Per Square Foot of Fire-grate per Hour.	Smoke-hole.	Base of Funnel.	Deck.	Maxi. Average.	Time of no Smoke.		
1	H. M. 8 40	2	S.W.	25	23½	26	26½	9.47	31.56	539.21	4.98	1344	23.89	78	76	726.00	46	6	1.40	11 0
2	9 10	2	S.W.	22	19½	26½	26	9.37	31.23	511.07	5.25	1344	23.89	79	80	701.66	46	4	1.86	5 0
3	9 40	2	S.W.	22	20	26½	26½	9.48	31.60	507.36	5.29	1344	23.89	80	81	735.50	47	5	1.70	9 0
4	10 10	2	S.W.	23	20½	26	26½	9.27	30.30	508.85	4.84	1232	21.90	80	81	736.33	48	6	1.86	17 0
5	10 40	2	S.W.	23	20½	26	26	9.21	30.70	505.55	4.87	1232	21.90	91	93	733.00	50	4	1.60	8 0
6	11 10	3	S.W.	23	20½	26	26	9.27	30.90	483.40	5.09	1232	21.90	92	93	752.50	50	6	1.80	5 0
6	11 40	3	S.W.	23½	21	26	26	9.27	30.90	483.40	5.09	1232	21.90	92	93	752.50	50	6	1.80	5 0
Mean -		2.33	-	23.08	20.83	26.08	26.12	9.34.5	31.15	509.21	5.05	1288	22.89	83.3	84	730.83	47.83	6	1.53	9 10
7	12 10	2	S.W.	22½	21	26	26½	9.30	31.00	484.97	5.08	1232	21.90	96	96	731.50	51	5	1.66	6 0
8	12 40	2	S.W.	23	20½	26	26	9.24	30.80	467.57	5.27	1232	21.90	96	97	739.16	50	5	2.23	2 0
9	1 10	3	S.W.	23	21½	26	26	9.28	30.93	504.57	4.88	1232	21.90	96	100	753.00	48	5	2.06	1 30
10	1 40	3	S.W.	22½	20½	26	26½	9.11	30.36	457.77	4.89	1120	19.91	97	101	721.33	51	5	1.90	4 0
11	2 10	3	S.W.	21½	19	26	26	8.94	29.80	430.92	5.20	1120	19.91	92	96	721.00	51	3	1.16	8 0
12	2 40	3	S.W.	21	19½	26½	26½	8.74	29.13	406.24	5.51	1120	19.91	91	93	641.33	50	2	.54	15 50
Mean -		2.66	-	22.25	20.25	26.04	26.12	9.10.16	30.33	458.10	5.13	1176	20.90	94.6	97.16	717.88	50.16	5	1.59	6 13½
MEAN OF MEANS -		2.5	-	22.66	20.54	26.06	26.12	9.22.33	30.74	483.65	5.09	1232	21.90	89	90.58	724.35	49	6	1.56	7 41½

Per-centage of Ashes and Cinders made during Six Hours

Ditto - Clinker made during whole Trial

Density of Water in Boilers

10.22

1.89

14 to 18

Coal. Soft and slightly oaking. Very little appearance of Pyrites, but containing a large number of fine seams of charcoal and dirt.

Clinker. Principally Shale.

Chas. L. Waddilove,
Captain of Steam Reserve.

Wm. Hy. Steel,
Chief Engineer of the Dockyard.

Geo. Cook,
Chief Inspector of Machinery Afloat.

Edwd. Newman,
First Assistant to Chief Engineer.

SIX HOURS' TRIAL with Abercorn Black Vein Coal.—3rd January 1876.

Half-hours.	Observed Time.	W I N D.		Pressure of Steam.		Vacuum in Condensers.		Revolutions of Engines.		Mean Pressure in Cylinders.	Indicated Horse-power.	Coal Expended.			Temperatures.			Smoke.			
		Force.	Direction.	Boilers.		Star-board.	Port.	Counter.	Minute.			Per Indicated Horse-power per Hour.	Total.	Per Square Foot of Fire-grate per Hour.	Stokehole.		Base of Funnel.	Deck.	Maxi-min.	Average.	Time of no Smoke.
				Actual.	Relative to Vessel.										Engine-room.						
1	H. M. 9 0 to 9 30	4	W.	Port bow	23	20	26	26½	891	29.70	417.25	5.90	1232	21.90	84	78	682.16	53	7	3.10	0 0
2	10 0	4	W.	- ditto -	25	23	26	26½	904	30.13	452.75	6.43	1456	25.88	86	80	733.83	52	7	4.63	0 0
3	10 30	2 to 3	W.	Ahead	25	22	26	26½	951	31.70	522.02	5.15	1344	23.89	86	83	767.00	48	7	5.26	0 0
4	11 0	2 to 3	W.	- ditto -	21½	18½	26½	26½	932	31.06	493.90	5.44	1344	23.89	89	84	750.00	49	7	2.93	0 0
5	11 30	2 to 3	W.	- ditto -	23	20	26½	26½	923	30.76	481.21	5.58	1344	23.89	90	83	781.50	48	7	3.68	2 30
6	12 0	2	S.	Abaft	24	21	26½	26½	914	30.46	482.79	5.56	1344	23.89	91	86	802.66	48	7	4.10	2 0
Mean -		2.91	-	-	23.58	20.75	26.12	26.5	919.16	30.63	474.45	5.67	1344	23.89	87.6	82.3	752.85	49.6	7	4.11	0 45
7	12 30	2	S.	Abaft	22½	19	26	26½	929	30.96	473.19	5.68	1344	23.89	100	93	836.50	50	7	4.40	0 0
8	1 0	2	W.	Starboard quarter.	23½	20½	26	26½	943	31.43	491.70	5.46	1344	23.89	104	101	821.16	50	7	5.00	0 0
9	1 30	2	W.	- ditto -	23½	20½	26½	26½	943	31.43	486.84	5.52	1344	23.89	105	102	831.00	51	7	3.66	0 0
10	2 0	2 to 3	W.	- ditto -	22½	19½	26	26½	929	30.96	468.41	4.78	1120	19.91	108	108	800.66	51	7	3.43	1 0
11	2 30	2	W.	Port bow	22½	19½	26	26½	914	30.46	460.85	4.86	1120	19.91	103	99	837.83	50	7	2.86	0 0
12	3 0	2	W.	- ditto -	20½	17	26½	27	917	30.56	434.05	5.16	1120	19.91	100	96	810.66	54	7	3.00	4 0
Mean -		2.08	-	-	22.41	19.33	26.12	26.58	929.16	30.97	469.07	5.25	1232	21.90	103.3	99.83	822.97	51	7	3.72	0 50
MEAN OF MEANS -		2.49	-	-	22.99	20.04	26.12	26.54	924.16	30.80	471.76	5.46	1288	22.89	95.49	91.08	787.91	50.3	7	3.91	0 47½

Coal. Rather soft, bright in appearance and tolerably free from pyrites. Free burning, and emitted large quantities of black smoke. After the fourth hour, considerable amount of Clinker formed on the bars, requiring frequent pricking to keep it broken up.

Clinker. Fusible Slag, which, in a prolonged run, would greatly reduce the efficiency of the fuel.

Chas. L. Waddilove,

Captain of Steam Reserve.

Geo. Cook,

For Chief Inspector of Machinery Afloat.

C. J. Martin, Chief Engineer.

Wm. Hy. Steil,

Chief Engineer of the Dockyard.

Edmond Newman,

First Assistant to Chief Engineer.

Portsmouth Yard, }
23 February 1876. }
Vide Officer's Letter of this date.

Per-centage of Ashes and Cinders made during Six Hours - 8.69
Ditto - Clinker made during whole Trial - 2.89
Density of Water in Boilers - - - - 15 to 17

HER MAJESTY'S SHIP "GRINDER."

SIX HOURS' TRIAL with Blaina Coal.—6th January 1876.

Half-Observed hours.	WIND.		Pressure of Steam.		Vacuum in Condensers.		Revolutions of Engines.		Mean Pressure in Cylinders.	Indicated Horse-power.	Coal Expended.			Temperatures.			Smoke.					
	Force.	Direction.	Boilers.		Engine-room.	Star-board.		Port.			Counter.	Per Minute.	Per Horse-power per Hour.	Total.	Per Square Foot of Fire-grate per Hour.	Stokehole.		Base of Funnel.	Deck.	Maxi-mum.	Average.	Time of no Smoke.
			Actual.	Relative to Vessel.		Star-board.	Port.															
1	H. M.	3	Starboard quarter.	24	21	26	26	911	30.36	13.70	428.09	5.23	1120	19.91	81	78	686.33	35	5	2.36	9 0	
2	9 30	3	- ditto -	25	22½	25½	25½	920	30.66	14.55	459.14	4.87	1120	19.91	86	83	710.33	36	3	1.30	11 0	
3	10 0	2 to 3	Port quarter	25	23	25½	25½	946	31.53	14.10	490.01	5.48	1344	23.89	89	85	750.50	37	5	1.96	4 0	
4	10 30	2 to 3	- ditto -	24	21	25½	26	933	31.10	15.40	492.93	5.45	1344	23.89	98	92	757.50	35	5	2.13	2 0	
5	11 0	2 to 3	Abaft	24	21	26	26	948	31.60	15.20	494.35	5.43	1344	23.89	93	90	755.00	38	5	2.36	2 0	
6	11 30	2 to 3	Ahead	24	21	26	26	928	30.93	15.30	487.06	5.51	1344	23.89	81	78	743.50	36	5	2.53	8 0	
6	12 0	3 to 4	-	24	21	26	26	928	30.93	15.30	487.06	5.51	1344	23.89	81	78	743.50	36	5	2.53	8 0	
Mean -		2.83	-	24.33	21.58	25.75	25.83	931	31.03	14.875	475.06	5.34	1269.33	22.56	88	84.3	735.36	36.16	5	2.10	6 0	
7	12 30	3 to 4	Ahead	24½	21½	26	26	907	30.23	15.25	474.48	4.72	1120	19.91	80	74	729.00	36	5	2.46	6 30	
8	1 0	4	- ditto -	21½	18½	26	26	885	29.50	14.00	425.07	3.16	672	11.94	72	70	698.00	35	4	1.16	16 0	
9	1 30	4	- ditto -	20	17	26½	26½	862	28.73	13.15*	388.84	3.45	672	11.94	69	65	693.33	36	3	.98	10 30	
10	2 0	4 to 5	Port bow	23	20	26½	26½	886	29.53	14.30	434.62	4.12	896	15.92	70	65	711.16	36	4	1.09	10 35	
11	2 30	4 to 5	Starboard quarter	25	22	25½	25½	897	29.90	14.90	458.53	3.91	896	15.92	84	80	700.33	37	5	1.58	11 30	
12	3 0	4 to 5	Port bow	25	22½	25½	26	907	30.23	14.95	465.14	3.85	896	15.92	85	78	712.00	35	5	1.66	7 0	
Mean -		4.16	-	23.16	20.25	26	26.08	890.66	29.68	14.425	440.64	3.89	858.66	15.26	76.6	72.0	707.30	35.83	5	1.49	10 15½	
MEAN OF MEANS -		3.50	-	23.74	20.91	25.87	25.95	910.83	30.36	14.650	457.85	4.64	1064	18.91	82.3	78.16	721.33	36.0	5	1.79	8 7½	

Per-centage of Ashes and Cinders made during Six Hours - 11.84
Ditto - Clinker made during whole Trial - 1.53
Density of Water in Boilers - 15 to 16½

Firing rather heavy during the second and third hours.
* Clinker beginning to form, draught checked.
Coal. Moderately hard, and containing a large number of fine seams of Char-coal and Dirt.

Clinker. Principally Slag.

Chas. L. Waddilove,
Captain of Steam Reserve.
Geo. Cook,
For Chief Inspector of Machinery Afloat.
C. J. Martin, Chief Engineer.
Wm. Hy. Steil,
Chief Engineer of the Dockyard.
Eduw. Newman,
First Assistant to Chief Engineer.

Portsmouth Yard,
23 February 1876. }
Vide Officer's Letter of this date.

HER MAJESTY'S SHIP "GRINDER."

SIX HOURS' TRIAL with Russell's New Black Vein Coal.—7th January 1876.

Half Hours.	Observed Time.	WIND.		Pressure of Steam.		Vacuum in Condensers.		Revolutions of Engines.		Mean Pressure in Cylinders.	Indicated Horse Power.	Coal Expended.			Temperatures.				Smoke.			
		Force.	Direction.	Boilers.		Star-board.	Port.	Counter.	Per Minute.			Per Indicated Horse Power.	TOTAL.	Per Square Foot per Hour.	Stokehole.		Base of Funnel.	Deck.		Maximum.	Average.	Time of no Smoke.
				Actual.	Relative to Vessel.										Engines.	Per Minute.						
1	H. M. 8 45 to 9 15	5	N.E.	25	22	26	26½	959	31·96	16·50	542·75	4·12	1,120	19·91	87	83	743·33	37	4	2·30	1 1 3 0	
2	9 45	5 to 6	N.E.	25	22	26	26	925	30·83	16·10	510·87	4·38	1,120	19·91	89	86	808·83	37	4	2·33	2 0	
3	10 15	5 to 6	N.E.	25	22	25½	26	944	31·46	16·25	526·16	4·25	1,120	19·91	92	87	803·16	37	4	3·30	0 0	
4	10 45	5 to 6	N.E.	22½	19½	26	26½	929	30·96	15·40	490·72	4·56	1,120	19·91	93	90	799·00	38	5	3·16	0 0	
5	11 15	5 to 6	N.E.	24½	21½	25½	26½	941	31·36	16·30	526·10	4·25	1,120	19·91	93	91	813·50	39	5	3·10	0 0	
6	11 45	6	N.E.	24	21	26	26½	909	30·30	16·05	500·53	4·47	1,120	19·91	76	74	837·50	40	5	2·06	4 0	
Mean - -		5·5	- - -	24·33	21·33	25·83	26·29	934·5	31·15	16·10	516·17	4·34	1,120	19·91	88·3	85·16	800·88	38	5	2·71	1 30	
7	12 15	6	N.E.	25	22	25½	26½	901	30·03	16·10	497·60	4·95	1,232	21·90	83	78	818·66	40	4	2·13	7 0	
8	12 45	6	N.E.	23½	20½	25½	26	922	30·73	15·45	488·65	5·04	1,232	21·90	84	82	789·83	40	5	2·36	3 30	
9	1 15	6	N.E.	21	18	25½	26½	908	30·26	14·10	439·13	5·10	1,120	19·91	90	90	776·00	38	5	2·46	0 0	
10	1 45	5 to 6	N.E.	23½	20½	26	26½	902	30·06	14·55	450·15	4·97	1,120	19·91	92	89	752·82	37	5	1·83	1 0	
11	2 15	5 to 6	N.E.	23½	20½	26½	26½	913	30·43	14·55	455·69	4·91	1,120	19·91	95	90	768·16	37	4	1·80	2 0	
12	2 45	5 to 6	N.E.	24	21	26½	26½	916	30·53	15·00	471·33	4·75	1,120	19·91	90	90	775·25	40	4	1·47	3 30	
Mean - -		5·75	- - -	23·41	20·41	25·87	26·33	910·33	30·34	14·958	467·09	4·95	1,157·33	20·57	89	865	780·12	38·6	5	2·00	2 50	
MEAN OF MEANS		5·62	- - -	23·87	20·87	25·85	26·31	922·41	30·74	15·529	491·63	4·63	1,138·66	20·24	88·6	85·83	790·50	38·3	5	2·35	2 10	

Coal, very soft, containing a large number of fine seams of charcoal and dirt. Tolerably free from pyrites and moderately caking. After the third hour the fires required frequent pricking.

Clinker, slag, and shale in about equal proportion.

Chas. L. Waddilove,
Captain of Steam Reserve.
Geo. Cook,
for Chief Inspector of Machinery Afloat.
C. J. Martin, Chief Engineer.

Wm. Hy. Stiel,
Chief Engineer of the Dockyard.
Edw. Newman,
First Assistant to Chief Engineer.

Percentage of ashes and cinders made during six hours - - - 11·06
Ditto clinker made during whole trial - - - 4·30
Density of water in boilers - - - 16 to 17

Portsmouth Yard,
23 February, 1876. }
Vide Officer's Letter of this date.

HER MAJESTY'S SHIP "GRINDER."

SIX HOURS' TRIAL with Risca Rock Coal.—14th January 1876.

Half Hours.	Observed Time.	WIND.		Pressure of Steam.		Vacuum in Condensers.		Revolutions of Engines.		Mean Pressure in Cylinders.	Indicated Horse Power.	Coal Expended			Temperature.			Smoke.			
		Force.	Direction.	Relative to Vessel.		Star-board.	Port.	Counter.	Per Minute.			Per Indicated Horse Power.	TOTAL.	Per Square Foot of Fire-grate per Hour.	Stokehole.	Base of Funnel.	Deck.	Maximum.	Average.	Time of no Smoke.	
				Actual.																	
1	H. M.	6	E.N.E	Starboard quarter.	25	22	26	946	31.53	16.10	522.47	6.00	1,568	27.86	94	90	769.50	38	7	3.66	3 0
2	9 30	5	E.N.E.	- ditto	25	22	26	954	31.80	15.60	510.58	6.14	1,568	27.86	95	91	797.16	37	6	2.96	3 0
3	10 30	5 to 6	E.N.E.	- ditto	24½	21½	26	950	31.66	16.10	524.62	5.97	1,568	27.86	98	95	832.16	39	6	3.36	0 0
4	11 0	5 to 6	E.N.E.	- ditto	25	22	26½	950	31.66	16.95	552.32	4.86	1,344	23.89	100	94	830.00	40	6	3.70	1 0
5	11 30	5 to 6	E.N.E.	- ditto	24	21	26½	941	31.36	16.15	521.26	5.15	1,344	23.89	99	95	832.16	39	5	2.88	3 30
6	12 0	5 to 6	E.N.E.	- ditto	24	21	26½	935	31.16	15.90	509.92	5.27	1,344	23.89	105	99	815.50	40	5	3.20	1 0
Mean - -		5.5	- - -	- - -	24.58	21.58	26.25	946	31.53	16.133	523.53	5.56	1,456	25.88	98.5	94	812.74	38.83	7	3.29	1 55
7	12 30	5 to 6	E.N.E.	Port bow	24	21	26	924	30.80	16.75	530.98	4.64	1,232	21.90	79	74	855.00	35	5	3.20	0 0
8	1 0	5 to 6	E.N.E.	- ditto	23	20	26	897	29.90	15.95	490.84	5.02	1,232	21.90	87	80	858.50	35	5	3.43	0 0
9	1 30	5 to 6	E.N.E.	- ditto	22½	19½	26	881	29.36	15.55	469.89	5.24	1,232	21.90	87	82	830.16	35	5	3.83	0 0
10	2 0	5	E.N.E.	- ditto	24	21	26	950	31.66	16.35	532.77	4.62	1,232	21.90	92	84	836.33	36	7	4.46	0 0
11	2 30	5 to 6	E.N.E.	- ditto	23½	20½	26	925	30.83	16.00	507.77	4.85	1,232	21.90	95	88	831.50	35	7	3.98	2 30
12	3 0	6	E.N.E.	- ditto	21	18	25½	897	29.90	15.45	475.45	5.18	1,232	21.90	92	87	820.60	35	5	2.90	0 0
Mean - -		5.5	- - -	- - -	23	20	25.91	912.33	30.41	16.008	501.02	4.91	1,232	21.90	88.6	82.5	838.77	35.16	7	3.63	0 25
MEAN OF MEANS		5.5	- - -	- - -	23.79	20.79	26.08	929.16	30.97	16.070	512.27	5.24	1,344	23.89	93.58	88.25	825.75	37.00	7	3.46	1 10

Per-centage of ashes and cinders made during six hours - - - 7.29
Per-centage of clinker made during whole trial - - - 2.43
Density of water in boilers - - - 15 to 17

Chas. L. Waddilove,
Captain of Steam Reserve.
Geo. Cook,
for Chief Inspector of Machinery Afloat.
C. J. Martin, Chief Engineer.

Wm. Hy. Steel,
Chief Engineer of the Dockyard.
Edmd. Newman,
First Assistant to Chief Engineer.

Portsmouth Yard.
23 February 1876. }
Vide Officer's Letter of this date.

HER MAJESTY'S SHIP "GRINDER."
SIX HOURS' TRIAL with Ebbw Vale Coal.—20th January 1876.

Half Hours.	Observed Time.	WIND.		Pressure of Steam.		Vacuum in Condensers.		Revolutions of Engines.		Mean Pressure in Cylinders.	Indicated Horse-Power.	Coal Expended.			Temperature.			Smoke.			
		Force.	Direction.	Boilers.	Engine Room.	Star-board.	Port.	Counter.	Per Minute.			Per Indicated Horse Power.	TOTAL.	Per Square Foot of Fire-Grate per Hour.	Stokehole.		Base of Funnel.	Deck.	Maximum.	Time of no Smoke.	
															Actual.	Relative to Vessel.					
1	H. M. 9 20 to 9 50	4 to 5	S.W.	23½	20½	26	26	898	29·93	14·10	434·33	6·18	1,344	23·89	86	84	640·33	48	3	78	16 45
2	10 20	4 to 5	S.W.	20½	17½	26	26	873	29·10	12·10	362·39	6·18	1,120	19·91	96	88	623·66	44	3	48	20 40
3	10 50	4 to 5	S.W.	23	20	26	26	878	29·26	12·75	383·95	5·83	1,120	19·91	98	94	651·16	44	3	80	16 0
4	11 20	4 to 5	S.W.	22	19	26	26	866	28·86	12·50	371·28	6·03	1,120	19·91	96	90	666·50	49	3	58	19 30
5	11 50	4 to 5	S.W.	23½	20½	26	26	902	30·06	13·75	425·39	5·26	1,120	19·91	91	86	703·50	48	2	100	9 0
6	12 20	4 to 5	S.W.	25	22	26	25½	919	30·63	14·20	447·64	5·00	1,120	19·91	95	84	702·50	49	2	48	16 0
Mean	- -	4·5	-	22·91	19·91	26	25·91	889·33	29·64	13·233	403·68	5·72	1,157·33	20·57	93·6	87·6	667·94	47	3	68	16 19½
7	12 50	4	S.W.	25	22	26	25½	926	30·86	14·40	457·35	5·38	1,232	21·90	100	96	719·50	44	3	63	14 0
8	1 20	4	S.W.	25	22	26	25½	954	31·80	15·20	497·47	5·40	1,344	23·89	102	100	704·16	44	3	180	3 0
9	1 50	5	S.W.	25	22	26	26	941	31·36	15·35	495·43	5·42	1,344	23·89	102	102	728·66	45	4	196	1 0
10	2 20	5	S.W.	25	22	26	26	940	31·33	15·50	499·79	5·38	1,344	23·89	104	102	717·33	45	4	166	8 0
11	2 50	5	S.W.	22½	19½	26	26	929	30·96	14·40	458·84	4·88	1,120	19·91	102	97	684·50	43	4	145	10 0
12	3 20	4 to 5	S.W.	23½	20½	26½	26½	937	31·23	14·55	467·66	4·79	1,120	19·91	105	102	716·33	44	3	116	11 0
Mean	- -	4·58	-	24·33	21·33	26·08	25·83	937·83	31·26	14·90	479·38	5·21	1,250·66	22·23	102·5	99·83	711·74	44·16	4	144	7 50
MEAN OF MEANS		4·54	-	23·62	20·62	26·04	25·87	913·58	30·45	14·066	441·53	5·45	1,204	21·40	98·08	93·74	689·84	45·58	4	106	12 47½

Coal, soft and friable, containing a large number of fine seams of charcoal and dirt; it is neither so bituminous nor free-burning as any of the other specimens, and on being put in the furnace does not light up readily, nor open up much during combustion; it gives out a short flame, and requires apparently a strong draught to burn it.
The appearance of the fires at the end of the trial was comparatively clean.
Clinker three parts shale to about one of slag.

Chas. L. Waddilove,
Captain of Steam Reserve.
Geo. Cook,
for Chief Inspector of Machinery Afloat.
C. J. Martin, Chief Engineer.

Wm. Hy. Steel,
Chief Engineer of the Dockyard.
Edwd. Newman,
First Assistant to Chief Engineer.

HER MAJESTY'S SHIP "GRINDER."
SIX HOURS' TRIAL with New Tredegar Coal.—25th January 1876.

Half Hours.	WIND.		Direction.		Pressure of Steam.		Vacuum in Condensers.		Revolutions of Engines.		Mean Pressure in Cylinders.	Indicated Horse Power.	Coal Expended.			Temperatures.			Smoke.			
	Force.	Actual.	Relative to Vessel.	Boilers.	Engine Room.	Star-board.	Port.	Counter.	Per Minute.	Per Indicated Horse Power per Hour.			Total.	Per Square Foot of Fire-grate per Hour.	Stokehole.		Base of Funnel.	Deck.	Maxi-mum.	Average.	Time of no Smoke.	
															Star-board.	Port.						
1	H. M.																					
	9 0	1 to 2	E.S.E.	Port beam	25	22	26	26	958	31.93	15.70	515.93	5.21	1,344	23.89	93	88	839.33	47	2	.55	15 30
	9 30																					
2	10 0	2	E.S.E.	Port quarter	24	21	26	26	954	31.80	15.25	499.10	4.93	1,232	21.90	102	93	795.16	47	3	.86	9 30
3	10 30	1	E.	Aft	25	22	26	26	962	32.06	16.35	539.49	4.56	1,232	21.90	100	96	802.33	47	3	1.08	4 0
4	11 0	2 to 3	E.	Starboard quarter.	24	21	25½	26	965	32.16	16.25	537.86	4.58	1,232	21.90	101	94	824.83	45	4	1.28	8 30
5	11 30	1 to 2	E.	Aft	24	21	26	26	961	32.03	16.40	540.63	4.55	1,232	21.90	102	94	815.33	47	4	.95	12 30
6	12 0	3	E.S.E.	Starboard beam	23½	20½	26	26½	953	31.76	16.05	524.63	4.69	1,232	21.90	105	97	818.66	44	4	1.46	10 0
Mean	-	1.91	-	-	24.25	21.25	25.92	26.08	958.33	31.96	16.00	536.29	4.75	1,250.66	22.23	102	93.6	815.94	46.16	4	1.03	10 0
7	12 30	2 to 3	E.S.E.	Starboard beam	23	20	26	26½	954	31.80	16.75	548.19	4.49	1,232	21.90	110	100	768.16	46	5	1.43	5 30
8	1 0	2	E.S.E.	Starboard bow	24½	21½	26	26	963	32.10	16.80	555.04	4.43	1,232	21.90	99	94	803.00	44	4	.70	14 30
9	1 30	2	S.E.	Starboard beam	22	19	26½	26½	950	31.66	15.60	508.31	4.40	1,120	19.91	99	96	773.50	44	4	1.85	0 0
10	2 0	2	S.E.	Starboard bow	22	19	26½	26½	951	31.70	15.65	510.59	4.38	1,120	19.91	91	86	763.16	42	3	1.65	0 30
11	2 30	2	E.S.E.	Ahead	21½	18½	26½	26½	946	31.53	14.90	483.51	4.63	1,120	19.91	95	91	795.00	42	3	1.46	0 0
12	3 0	2	E.S.E.	Starboard bow	24½	21½	26	26	934	31.13	16.25	520.64	4.30	1,120	19.91	96	91	843.83	42	3	1.18	1 0
Mean	-	2.08	-	-	22.91	19.91	26.25	26.33	949.66	31.65	15.991	520.89	4.44	1,157.33	20.57	98.3	93	791.10	43.3	5	1.37	3 35
MEAN OF MEANS		1.99	-	-	23.58	20.58	26.08	26.20	954.25	31.80	15.995	523.59	4.59	1,204	21.40	100.16	93.3	803.52	44.74	5	1.20	6 47½

HER MAJESTY'S SHIP "GRINDER."

SIX HOURS' TRIAL with Ynysfaio Merthyr Coal.—26th January 1876.

Half Hours.	WIND.		Direction.	Pressure of Steam.		Vacuum in Condensers.		Revolutions of Engines.		Mean Pressure in Cylinders.	Indicated Horse Power.	Coal Expended.		Temperatures.			Smoke.						
	Observed Time.	Force.		Actual.	Relative to Vessel.	Boilers.	Engine Room.	Star-board.	Port.			Counter.	Per Minute.	Per Indicated Horse Power.	TOTAL.	Per Square Foot of Fire-grate per Hour.	Stokehole.		Base of Funnel.	Deck.	Maximum.	Average.	Time of no Smoke.
1	H. M.	1 to 2	S.S.W.	Starboard bow	25	22½	25½	25½	998	33·26	17·75	607·60	5·89	1,792	31·84	91	82	765·00	44	4	2·25	1 0	
2	9 20	1	S.S.W.	Port bow	24½	21½	25½	25½	1002	33·40	18·05	620·47	5·78	1,792	31·84	95	85	773·50	44	4	2·13	1 30	
3	9 50	2	S.S.W.	ditto	24½	21½	25½	25½	996	33·20	18·05	616·75	5·08	1,568	27·86	93	83	776·16	45	4	2·40	0 0	
4	10 20	2	S.S.W.	Starboard quarter.	24½	21½	26	25½	979	32·63	17·70	594·41	5·27	1,568	27·86	98	90	763·00	45	5	2·63	0 0	
5	10 50	2	S.S.W.	ter.	24½	21½	26	26	988	32·93	17·20	582·93	5·37	1,568	27·86	99	92	765·16	44	6	3·47	0 0	
6	11 20	1	S.S.W.	ditto	24½	20½	26	26	990	33	16·95	575·69	5·44	1,568	27·86	99	93	795·16	46	6	2·16	4 0	
6	11 50	1	S.S.W.	Port beam	23½	20½	26	26	990	33	16·95	575·69	5·44	1,568	27·86	99	93	795·16	46	6	2·16	4 0	
Mean	-	1·41	-	-	24·41	21·50	25·75	25·66	992·16	33·07	17·616	599·57	5·47	1642·66	29·19	95·83	87·5	772·99	44·6	6	2·50	1 5	
7	12 20	1 to 2	W.S.W.	Port bow	21	18	26·5	26·5	966	32·20	15·90	520·92	5·10	1,344	23·89	96	93	740·50	48	3	1·90	1 0	
8	12 50	2	S.W.	ditto	23½	20½	26·5	26·5	955	31·83	15·90	520·87	5·16	1,344	23·89	94	85	792·66	48	6	2·68	2 0	
9	1 20	1 to 2	S.W.	Starboard quarter.	21½	18½	26·5	26·5	953	31·76	15·15	495·21	4·52	1,120	19·91	100	95	791·16	46	4	2·16	0 0	
10	1 50	1 to 2	S.W.	ter.	21½	18½	26·5	26·5	917	31·56	15·35	498·59	4·49	1,120	19·91	102	97	805·00	46	4	2·40	0 0	
11	2 20	1 to 2	S.W.	ditto	21	18	26·5	26·5	951	31·70	15·05	491·01	4·10	1,008	17·92	106	103	791·33	47	4	2·46	0 0	
12	2 50	1 to 2	S.S.W.	ditto	22½	19½	26·5	26·5	972	32·40	14·95	498·52	4·04	1,008	17·92	105	100	760·16	46	4	2·31	0 0	
Mean	-	1·56	-	-	21·83	18·33	26·5	26·5	957·33	31·91	15·383	505·22	4·57	1,157·33	20·57	100·5	95·5	780·13	46·83	6	2·32	0 30	
MEAN OF MEANS	-	1·49	-	-	23·12	20·16	26·12	26·08	974·75	32·49	16·500	552·40	5·06	1,400·0	24·88	98·16	91·5	776·56	45·74	6	2·41	0 47½	

Per-centage of ashes and cinders made during six hours - - - 10·0
Per-centage of clinker made during whole trial - - - 1·66
Density of water in boilers - - - 16 to 17½

The comparative low power developed during the latter three hours of the trial, was owing to the dirty state of the fires, the clinker thus early formed was of a very fusible and tenacious character, adhering firmly to the fire bars, and the only way of removing it was by thoroughly cleaning the fires out; this we did not deem it advisable to do, as such means of improving the draught had not been resorted to in the previous trials. A very frequent use of the prickler was made, but the power developed in the morning could not be again obtained.
Clinker, about five of slag, and one of shale.

Chas. L. Waddilove,
Captain of Steam Reserve.
Geo. Cook,
for Chief Inspector of Machinery Afloat.
C. J. Martin,
Chief Engineer.

Wm. Hy. Steel,
Chief Engineer of the Dockyard.
Edwd. Newman,
First Assistant to Chief Engineer.

Portsmouth Yard, }
23 February 1876.

Vide Officer's Letter of this date.

HER MAJESTY'S SHIP "GRINDER."

Six Hours' Trial with Ynysfaio Merthyr and Cowpen Hartley, Mixed in Equal Quantities.--28th January 1876.

Half-Hours.	W I N D.		Observed Time.	Direction.		Pressure of Steam.		Vacuum in Condensers.		Revolutions of Engines.		Mean Pressure of Cylinders.	Indicated Horse-Power.	Coal Expended.		Temperatures.				Smoke.			
	Force.	Actual.		Relative to Vessel.	Boilers.	Engine Room.	Starboard.	Port.	Counter.	Per Min.	Per Indicated Horse-Power per Hour.			Total.	Per Square Foot of Fire-Grate per Hour.	Starboard.	Stoke-hole.	Port.	Base of Funnel.	Deck.	Maximum.	Average.	Time of no Smoke.
1	2	E.	8 50	Port beam	-	24½	21½	26½	25	989	32·96	17·90	607·21	5·16	1,568	27·87	92	86	779·50	50	7	3·51	0 30
2	2 to 3	E.	9 50	ditto	-	24½	21½	26	26	970	32·33	16·60	552·35	5·67	1,568	27·87	102	97	822·00	50	6	3·36	0 0
3	2 to 3	E.	10 20	Starboard beam	-	25	22	26	26	968	32·26	16·70	534·47	5·25	1,456	25·88	102	99	834·00	44	6	3·30	0 0
4	2	E.	10 50	Port beam	-	24	21	26	26½	973	32·43	16·30	544·04	5·35	1,456	25·88	103	97	831·83	46	5	3·60	0 0
5	2	E.	11 20	ditto	-	23½	20½	26	26½	963	32·10	16·30	538·51	5·40	1,456	25·88	97	95	843·83	44	6	4·00	0 0
6	2	E.	11 50	Starboard beam	-	23	20	26½	26½	965	32·16	15·80	522·96	5·56	1,456	25·88	104	98	863·66	44	7	3·96	0 0
Mean	2 16	-	-	-	-	24·08	21·08	26·16	26·08	971·3	32·37	16·60	553·03	5·40	1493·33	26·54	100	95·3	829·13	46·3	7	3·62	0 5
7	2	E.	12 20	Port beam	-	23	20	26	26½	963	32·10	16·20	535·20	5·02	1,344	23·89	100	96	871·66	45	7	3·25	2 20
8	2	E.S.E.	12 50	Ahead	-	23	20	26	26½	949	31·63	15·50	504·58	5·32	1,344	23·89	93	92	812·83	44	7	4·63	0 0
9	2	S.E.	1 20	ditto	-	22½	19½	26½	26½	957	31·90	15·70	515·45	5·64	1,456	25·88	92	92	793·00	44	7	5·23	0 0
10	2	S.E.	1 50	Abaft	-	22½	19½	26½	26½	939	31·30	15·05	484·82	5·60	1,456	25·88	104	98	827·83	44	7	3·25	0 0
11	2	S.E.	2 20	ditto	-	24½	21½	26	26½	943	31·43	15·60	504·62	5·77	1,456	25·88	106	100	857·83	44	7	3·76	0 0
12	2	S.E.	2 50	Ahead	-	25	22	86	26½	951	31·70	16·00	522·03	5·57	1,456	25·88	100	96	852·00	45	7	4·23	0 0
Mean	2	-	-	-	-	23·41	20·41	26·16	26·5	950·33	31·67	15·675	510·92	5·55	1418·66	25·22	99·16	95·6	835·77	44·38	7	4·06	0 25
MEAN of MEANS	2·08	-	-	-	-	23·74	20·74	26·16	26·29	960·83	32·02	16·137	531·97	5·47	1,456	25·88	99·58	95·5	832·45	45·3	7	3·84	0 15

Per centage of ashes and cinders during six hours - - - 9·61.

Ditto - clinker during whole trial - - - 1·92.

Density of water in boilers 16½ to 18½.

After the second hour the bars began to be covered with fusible clinker, and at the end of the fourth hour it was thought advisable to draw the fires off the front bars and clean them.

Clinker four parts slag to about one of shale.

Chas. L. Waddilove,
Captain of Steam Reserve.

Geo. Cook, for
Chief Inspector of Machinery Afloat.

C. J. Martin, Chief Engineer.

Wm. Hy. Steel,
Chief Engineer of the Dockyard.

Edwd. Newman,
First Assistant to Chief Engineer.

Portsmouth Yard,

23 February 1876.

HER MAJESTY'S SHIP "GRINDER."

SIX HOURS' TRIAL with Two-thirds Ynysfaio Merthyr and One-third Cowpen Hartley Coals.—31st January 1876.

Half Hours.	Observed Time.	W I N D.		Direction.		Pressure of Steam.		Vacuum in Condensers.		Revolutions of Engines.		Indicated Horse-Power.	Coal Expended.		Temperatures.			Smoke.							
		Force.	Actual.	Relative to Vessel.	Boilers.	Engine Room.	Starboard.	Port.	Counter.	Per Min.	Mean Pressure in Cylinders.		Per Indicated Horse-Power per Hour.	Total.	Per Square Foot of Fire-grate per Hour.	Stoke-hole.		Base of Funnel.	Deck.	Maximum.	Average.	Time of no Smoke.			
																Starboard.	Port.								
1	H. M.	8	50	1 to 2	S.	Port quarter -	25	22	26	26	967	32.23	16.95	562.25	5.57	1,568	27.86	83	83	734.83	47	4	1.95	4	0
2	9	20	1	S.	ditto -	25	22	26½	26½	971	32.36	17.15	571.17	5.49	1,568	27.86	86	86	791.16	47	5	3.03	0	30	
3	10	50	1 to 2	S.	ditto -	24	21	26	26	971	32.36	17.45	581.17	4.82	1,344	23.89	93	93	783.16	54	5	3.36	0	0	
4	10	50	2 to 3	S.	Port beam -	22	19	26½	26½	972	32.40	16.30	543.54	4.94	1,344	23.89	106	106	769.66	55	7	3.86	0	0	
5	11	20	2 to 3	S.	ditto -	23	20	26½	26½	958	31.93	16.70	518.71	4.89	1,344	23.89	100	100	779.83	56	5	2.23	2	0	
6	11	50	2 to 3	S.S.E.	ditto -	22	19	26½	26½	948	31.60	15.90	517.11	5.19	1,344	23.89	101	99	754.33	52	5	3.00	0	0	
Mean		-		1.91	-	-	23.5	20.5	26.33	26.33	964.5	32.15	16.74	553.93	5.12	1,118.66	23.21	94.83	92.6	769.32	51.83	7	2.90	1	5
7	12	20	2 to 3	S.S.E.	Starboard beam	23½	20½	26½	26½	968	32.26	17.20	571.07	4.70	1,344	23.89	100	101	806.50	47	3	1.73	1	0	
8	12	50	2 to 3	S.E. by S.	Starboard bow	22	19	26	26	961	32.03	15.85	522.50	4.28	1,120	19.91	102	104	819.50	48	3	1.96	2	0	
9	1	20	1 to 2	S.S.E.	Starboard beam	25	22	26	26	978	32.60	16.85	563.34	4.75	1,344	23.89	100	103	818.00	52	4	1.93	5	0	
10	1	50	2	S.S.E.	ditto -	24	21	26	26	962	32.06	16.10	531.23	4.21	1,120	19.91	99	98	809.66	46	5	2.66	1	0	
11	2	20	3	S.E. by S.	Starboard bow	25	22	26	26	979	32.63	16.70	560.84	4.79	1,344	23.89	95	90	836.66	46	6	2.93	1	0	
12	2	50	1 to 2	S.E. by S.	Abaft -	25	22	26	26	990	33.00	17.40	580.96	4.54	1,344	23.89	96	93	840.33	46	7	2.76	3	0	
Mean		-		2.16	-	-	24.08	21.08	26.08	26.16	973	32.43	16.683	556.84	4.56	1,269.83	22.56	98.6	98.16	821.77	47.5	7	2.32	2	10
MEAN of MEANS		2.03		-	-	-	23.79	20.79	26.21	26.25	968.75	32.29	16.712	555.38	4.84	1,345	23.89	96.75	95.41	795.54	49.6	7	2.61	1	37½

Clinkers began to form very early, as in the two preceding trials, and occasioned the constant use of the pricker.
Clinker three parts slag to one of shale.

9.88.
2.95.

Per-centage of ashes and cinders made during six hours
Ditto - clinkers made during whole trial -
Density of water in boilers 16 to 18.

Wm. Hy. Steel,
Chief Engineer of the Dockyard.
Edwd. Newman,
First Assistant to Chief Engineer.

Chas. L. Waddilove,
Captain of the Steam Reserve.
Geo. Cook, for
Chief Inspector of Machinery Afloat.
C. J. Martin, Chief Engineer.

Portsmouth Yard,
23 February 1876 }
Vide Officer's Letter of this date.

HER MAJESTY'S SHIP "GRINDER."

SIX HOURS' TRIAL with Half Ynysfaio Merthyr and Half New Tredegar Coals.---1st February 1876.

Half Hours.	Observed Time.	W I N D.		Pressure of Steam.		Vacuum in Condensers.		Revolutions of Engines.		Mean Pressure in Cylinders.	Indicated Horse-Power.	Coal Expended.			Temperatures.			Smoke.			
		Force.	Direction.	Boilers.		Starboard.	Port.	Counter.	Per Min.			Per Indicated Horse-Power per Hour.	Total.	Per Square Foot of Fire-grate per Hour.	Stoke-hole.		Base of Funnel.	Deck.	Maximum.	Average.	Time of no Smoke.
				Actual.	Relative to Vessel.										Starboard.	Port.					
1	H. M. 9 0 to 9 30	2 to 3	S.	22	19	26	26½	964	32.13	16.30	539.01	5.40	1,456	25.88	91	88	727.50	46	2.66	0 0	
2	10 0	2 to 3	S.	22	19	26½	26½	941	31.36	15.55	501.88	5.35	1,344	23.89	88	86	733.83	48	2.21	2 30	
3	10 30	3	S.	25	22	26½	26½	953	31.76	17.25	563.85	5.16	1,456	25.88	101	99	751.16	50	2.43	0 0	
4	11 0	3	S.	25	22½	26	26	992	33.06	17.45	593.74	4.52	1,344	23.89	104	100	710.83	54	2.93	0 30	
5	11 30	3	S.	24	21	26½	26½	929	30.96	16.45	524.16	5.12	1,344	23.89	107	104	647.50	54	3.13	0 0	
6	12 0	3	S.	24½	21½	26	26	981	32.70	17.40	585.59	4.59	1,344	23.89	106	101	687.16	49	2.33	0 0	
Mean		2.83	-	23.75	20.83	26.25	26.33	960	32.00	16.733	551.09	5.01	1381.33	24.55	99.75	96.3	709.66	50.16	2.61	0 30	
7	12 30	3	S.	25	22½	26	26	977	32.56	16.90	566.33	4.35	1,232	21.90	106	102	716.16	45	2.13	0 0	
8	1 0	3	S.	24½	21½	26½	26½	970	32.33	16.30	542.36	4.54	1,232	21.90	108	104	712.00	46	2.63	1 0	
9	1 30	1 to 2	S.S.E.	24	21	26½	26½	974	32.46	16.75	559.58	4.40	1,232	21.90	107	105	717.66	45	2.46	0 0	
10	2 0	2	S.S.E.	23½	20½	26½	26½	962	32.06	16.45	542.78	4.53	1,232	21.90	103	102	726.00	44	2.26	0 0	
11	2 30	2	S.	23	20	26½	26½	947	31.56	16.50	535.94	4.17	1,120	19.91	101	93	701.50	43	3.23	0 0	
12	3 0	2	S.	23	20	26½	26½	970	32.33	16.45	547.35	4.09	1,120	19.91	103	98	762.33	45	2.06	0 0	
Mean	-	2.25	-	23.83	20.91	26.41	26.33	966.66	32.22	16.558	549.07	4.34	1194.66	21.23	104.6	100.6	722.60	44.6	2.46	0 10	
MEAN of MEANS		2.54	-	23.79	20.87	26.33	26.33	963.33	32.11	16.645	550.08	4.68	1,288	22.89	102.20	98.5	716.13	47.41	2.53	0 20	

Per-centage of ashes and cinders made during six hours - - - 8.69.
- Ditto - clinker made during whole trial - - - 2.53.
Density of water in boilers, 16 to 17½.

Wm. Hy. Steel,
Chief Engineer of the Dockyard.
Edwd. Newman,
First Assistant to Chief Engineer.

Chas. L. Waddilove,
Captain of Steam Reserve.
Geo. Cook, for
Chief Inspector of Machinery Afloat.
C. J. Martin, Chief Engineer.

Portsmouth Yard, }
23 February 1876. }
Vide Officer's Letter of this date.

HER MAJESTY'S SHIP "GRINDER."

SIX HOURS' TRIAL with Half Ynysfaio Merthyr and Half Jaynes Tillery Coals.—2nd February 1876.

Half Hours.	Observed Time.	W I N D.		Pressure of Steam.		Vacuum in Condensers.		Revolutions of Engines.		Indicated Horse-Power.	Coal Expended.			Temperatures.				Smoke.		
		Force.	Direction.	Boilers.	Engine Room.	Starboard.	Port.	Counter.	Per Min.		Per Indicated Horse-Power per Hour.	TOTAL.	Per Square Foot of Fire-grate.	Starboard.	Stoke-hole.	Base of Funnel.	Deck.	Maximum.	Average.	Time of no Smoke.
1	H. M. 9 0 to 9 30	3	W.N.W.	24½	21½	26	26½	969	32·30	538·55	5·40	1,456	25·88	82	80	821·83	43	4	2·50	0 0
2	10 0	2	W.N.W.	25	22	26	26½	969	32·30	556·83	5·22	1,456	25·88	88	80	819·66	44	5	3·10	0 0
3	10 30	1	W.N.W.	24	21	26½	26½	968	32·26	559·46	5·20	1,456	25·88	94	86	825·16	44	6	2·06	0 0
4	11 0	1	W.N.W.	24	21	26½	26½	960	32·00	540·14	5·39	1,456	25·88	97	92	786·50	45	6	3·46	2 0
5	11 30	2	W.	24	21	26½	26½	966	32·20	558·42	5·21	1,456	25·88	96	90	849·83	44	7	3·86	0 0
6	12 0	2	W.S.W.	24	21	26½	26½	958	31·93	537·31	5·41	1,456	25·88	100	96	852·16	46	6	2·96	0 0
Mean		1·83	-	24·25	21·25	26·33	26·33	963	32·16	548·33	5·31	1,456	25·88	92·83	87·3	825·85	44·3	7	2·99	0 20
7	12 30	2	S.S.W.	22½	19½	26½	26½	945	31·50	515·49	5·64	1,456	25·88	102	98	856·16	46	5	2·36	0 0
8	1 0	2	W.S.W.	23½	20½	26½	26½	952	31·73	550·27	5·29	1,456	25·88	100	98	878·00	46	4	2·46	0 0
9	1 30	2 to 3	Port quarter	25	22	26	26	980	32·66	588·24	4·56	1,344	23·89	104	98	863·50	48	5	4·80	0 0
10	2 0	2	W.	24½	21½	26½	26½	974	32·46	561·26	4·78	1,344	23·89	102	99	867·66	48	7	3·70	0 0
11	2 30	3	W.N.W.	23	20	26½	26½	960	32·00	541·78	4·96	1,344	23·89	100	99	826·66	47	6	3·83	0 0
12	3 0	2 to 3	Port quarter	21½	18½	26½	26½	941	31·36	503·51	5·33	1,344	23·89	98	95	785·00	47	6	3·03	0 0
Mean		2·33	-	23·33	20·33	26·41	26·41	958·66	31·95	543·10	5·08	1,381·33	24·55	101	97·83	846·16	47	7	3·36	0 0
MEAN of MEANS		2·08	-	23·79	20·79	26·37	26·37	961·83	32·06	545·71	5·19	1418·66	25·22	96·91	92·58	836·00	45·66	7	3·17	0 10

Per-centage of ashes and cinders made during 6 hours - - - 7·89
 Ditto - clinker made during whole trial - - - 2·13
 Density of water in boilers, 16 to 18½.

Chas. L. Waddilove,
 Captain of Steam Reserve.

Geo. Cook, for
 Chief Inspector of Machinery Afloat.

Portsmouth Yard,
 23 February 1876. }
 Vide Officer's Letter of this date.

Wm. Hy. Steil,
 Chief Engineer of the Dockyard.
 Edwd. Newman,
 First Assistant to Chief Engineer.

SUMMARY of RESULTS of SIX HOURS' TRIALS with Semi-Bituminous Coals, 8th December 1875 to 2nd February 1876.

C O A L.	Date of Trial.	Force of Wind.		Pressure of Steam.		Vacuum in Condenser.		Revolutions of Engines.		Mean Pressure in Cylinders.	Indicated Horse-power.	Coal Expended.				Per-centage of		Temperatures.			Smoke.		
												Per Total.	Per Hour.	Per Square Foot of Fire-grate per Hour.	Per Indicated Horse-power per Hour.	Ashes and Cinders.	Clinker.	Stokehole.		Base of Funnel.	Deck	Maximum.	Average.
		Star-board.	Port.	Counter.	Minute.																		
Varteg	8 Dec. 1875	2·54	22·83	21·29	26·45	26·54	10,642	29·56	13·745	418·12	14,784	2,464	21·90	5·89	12·50	1·13	92·16	82·3	712·77	38	6	2·27	31 0
Abersychan	9 Dec. "	2·41	22·91	20·83	26·39	26·35	10,677	29·65	14·308	436·76	15,456	2,576	22·89	5·90	7·60	1·26	88·16	84·75	771·29	36·74	6	1·76	70 50
Nanty-Glo	10 Dec. "	1·91	22·83	20·75	26·44	26·37	10,772	29·92	14·870	458·04	13,440	2,240	19·91	4·89	11·25	2·08	98·41	87·41	684·46	40·74	6	1·26	89 10
Filled Vein	13 Dec. "	Calm	22·79	20·18	26·31	26·28	10,926	30·35	15·616	488·04	15,904	2,650·6	23·56	5·43	9·50	2·11	88·3	87·3	784·30	43·74	7	3·82	33 0
Tredegar	20 Dec. "	5·66	23·24	20·37	26·04	26·08	10,840	30·11	15·158	469·89	14,386	2,389·3	21·23	5·09	9·37	1·36	88·0	92·5	696·60	47	6	1·19	115 0
Jaynes Tillery	21 Dec. "	2·5	22·66	20·54	26·06	26·12	11,068	30·74	15·279	483·65	14,784	2,464	21·90	5·09	10·22	1·89	89·0	90·58	724·35	49	6	1·56	92 20
Abercorn Black Vein	3 Jan. 1876	2·49	22·99	20·04	26·12	26·54	11,090	30·80	14·883	471·76	15,456	2,576	22·89	5·46	8·69	2·89	95·49	91·08	787·91	50·3	7	3·91	9 30
Blaina	6 Jan. "	3·50	23·74	20·91	25·87	25·95	10,930	30·36	14·650	457·85	12,768	2,128	18·91	4·64	11·84	1·53	82·3	78·16	721·33	36	5	1·79	97 35
Russell's New Black Vein	7 Jan. "	5·62	23·87	20·87	25·85	26·31	11,069	30·74	15·529	491·63	13,664	2,277·3	20·24	4·63	11·06	4·30	88·6	85·83	790·50	38·3	5	2·35	26 0
Risca Black Vein	13 Jan. "	3·62	23·53	20·53	26·00	26·20	10,975	30·48	15·270	479·06	15,904	2,650·6	23·56	5·53	6·33	2·99	89·58	82·3	802·31	35·6	7	4·16	4 0
Risca Rock	14 Jan. "	5·5	23·79	20·79	26·08	25·75	11,150	30·97	16·070	512·27	16,128	2,688	23·89	5·24	7·29	2·43	93·58	88·25	825·75	37	7	3·46	14 0
Ebbw Vale	20 Jan. "	4·54	23·62	20·62	26·04	25·87	10,963	30·45	14·066	441·53	14,448	2,408	21·40	5·45	10·46	1·74	98·08	93·74	689·84	45·58	4	1·06	144 55
New Tredegar	25 Jan. "	1·99	23·58	20·58	26·08	26·20	11,451	31·80	15·995	523·59	14,448	2,408	21·40	4·59	8·13	3·29	100·16	93·3	803·52	44·74	5	1·20	81 30
Ynysfais Merthyr	26 Jan. "	1·49	23·12	20·16	26·12	26·08	11,697	32·49	16·500	552·40	16,800	2,800	24·88	5·06	10·00	1·66	98·16	91·5	776·56	45·74	6	2·41	9 30
One-half Ynysfais and one-half Cowpen Hartley.	28 Jan. "	2·08	23·74	20·74	26·16	26·29	11,530	32·02	16·137	531·97	17,472	2,912	25·88	5·47	9·61	1·92	99·58	95·5	832·45	45·3	7	3·84	3 0
Two-thirds Ynysfais and one-third Cowpen Hartley.	31 Jan. "	2·03	23·79	20·79	26·21	26·25	11,625	32·20	16·712	555·38	16,128	2,688	23·89	4·84	9·89	2·95	96·75	95·41	795·54	49·6	7	2·61	19 30
One-half Ynysfais and one-half New Tredegar.	1 Feb. "	2·54	23·79	20·87	26·33	26·33	11,560	32·11	16·645	550·08	15,456	2,576	22·89	4·68	8·69	2·53	102·2	98·5	716·13	47·41	5	2·53	4 0
One-half Ynysfais and one-half Jaynes Tillery.	2 Feb. "	2·08	23·79	20·79	26·37	26·37	11,542	32·06	16·541	545·71	17,024	2,837·32	25·22	5·19	7·89	2·13	96·91	92·58	836·00	45·6	7	3·17	2 0

Portsmouth Yard,
23 February 1876.

Chas. L. Waddilove,
Captain of Steam Reserve.

Geo. Cook, for
Chief Inspector of Machinery Afloat.

C. J. Martin,
Chief Engineer.

Wm. Hy. Steel,
Chief Engineer of the Dockyard.

Edw. Newman,
First Assistant to Chief Engineer.

CHATHAM YARD.

(H.—No. 76.)

19 April 1875.

A STATEMENT showing the Results of Tests of Land Engine and Steam Vessel Coal, with Remarks on the Quality and Suitability for the Service of these and other Descriptions of Coal Consumed during the Three Months ending 31st March 1875.

DESCRIPTION OF COAL.	Name of Coal, and from what Contractor Received.	Number of Lbs. of Water Evaporated by One Lb. of Coal, calculated from the Temperature of 100°.	Number of Lbs. of Water Evaporated per Square Foot of Fire-grate per Hour, calculated from the Temperature of 100°.	Per-centage of Clinker and Ash.			Smoke Scale, 0 to 7.	REMARKS on the Quality and Suitability of the Coal for the Service.
				Clinker.	Ash.	Total.		
Land Engine - - -	Annesley Butterley Hards (Stephenson, Clarke, & Co.).	7.53	108.6	4.22	4.93	9.15	1.63	Good and fit for the Service. The falling off of the evapora- tive power of these coals, as compared with that given in previous reports, is possibly due to the exposure of these coals to the weather.
	Eastwood Top Hards (Booth Brothers).	6.88	100.9	1.84	4.54	6.38	1.61	
Metal Mills (Chatham)	Cowpen Hartley (J. Fo- thergill & Co.).	7.64	104.7	3.70	5.33	9.03	1.23	

DESCRIPTION OF COAL.	Name of Coal, and from what Contractor Received.	REMARKS on the Quality and Suitability of the Coal for the Service.
Smithery - - - -	Annesley Butterley Hards (Stephenson, Clarke, & Co.).	Used for Furnaces. Good and fit for the Service.
Gas Coke - - - -	Coke (Simon Magnums) - -	Used for airing and drying in foundries. Good and fit for the Service.
Coked Coal - - - -	Tanfield Moor (J. Joicey & Co.).	Used in foundries and coppersmith's shop. Good and fit for the Service.
Household - - - -	New Bottle Wallsend (W. Cory & Son).	Of good quality, but rather small for household use.

Forwarded in accordance with Admiralty Letter, S. T., 28th April 1869.

R. P. Saunders,
Chief Constructor.

W. Eames,
Chief Engineer.

To the Captain Superintendent.

20 April 1875.

Forwarded,

Charles Fellowes,
Captain Superintendent.

To the Secretary of the Admiralty,
Naval Store Branch.

S H E E R N E S S Y A R D .

27 May 1876.

A STATEMENT showing the Results of Tests of Land Engine and Steam Vessel Coal, with Remarks on the Quality and Suitability for the Service of these and other Descriptions of Coal Consumed during the Three Months ending 31st March 1875.

DESCRIPTION OF C O A L.	Name of Coal, and from what Contractor Received.	Number of Lbs. of Water Evaporated by One Lb. of Coal, calculated from the Temperature of 100°.	Number of Lbs. of Water Evaporated per Square Foot of Fire-grate per Hour, calculated from the Temperature of 100°.	Per-centage of Clinker and Ash.			Smoke.	R E M A R K S on the Quality and Suitability of the Coal for the Service.
				Clinker.	Ash.	Total.		
Land Engine - -	Shipley Annesley Butterly Hards (Stephenson, Clarke, & Co.).	No evaporation trials made during the quarter	-				-	Coals of this description have been used in the Yard during the quarter; they have been found of good quality and suitable for the Service.
Steam Vessel (Welsh)	- - ditto - -	No evaporation trials made during the quarter	-				-	{ The coals consumed in the tugs attached to the Port were as follows, and the engineers in charge report them of good steaming quality. Powell's Duffryn and Cowpen Hartley, and Fothergill's Aberdare and Cowpen Hartley, mixed in equal quantities.
Steam Vessel (North Country).	- - ditto - -							

DESCRIPTION OF C O A L.	Name of Coal, and from what Contractor Received.	R E M A R K S on the Quality and Suitability of the Coal for the Service.
Smithery - - - -	Tanfield Moor (J. Joicey & Co.)	{ Of good quality and fit for the Service.
Gas Coke - - - -	Coke Gas (Sheppy Gas Com- pany).	
Coked Coal - - - -	Tanfield Moor (J. Joicey & Co.)	
Household - - - -	Castle Main (Booth Brothers)	

Forwarded in accordance with Admiralty Letter, S. T., 28th April 1869.

A. B. Sturdee,
Chief Constructor.

J. Paterson,
Chief Engineer.

To the Captain Superintendent.

27 May 1876.

Forwarded,

F. A. Foley,
Captain Superintendent.

To the Secretary of the Admiralty,
Naval Store Branch.

PORTSMOUTH YARD.

(H.—No. 76.)

1 April 1875.

A STATEMENT showing the Results of Tests of Land Engine and Steam Vessel Coal, with Remarks on the Quality and Suitability for the Service of these and other Descriptions of Coal Consumed during the Three Months ending 31st March 1875.

DESCRIPTION OF COAL.	Name of Coal, and from what Contractor Received.	Number of Lbs. of Water Evaporated by One Lb. of Coal, calculated from the Temperature of 100°.	Number of Lbs. of Water Evaporated per Square Foot of Fire-grate per Hour, calculated from the Temperature of 100°.	Per-centage of Clinker and Ash.		Smoke.	Number of Lbs. of Coal Burnt per Square Foot of Fire-grate per Hour.	Deposit of Soot.	Cinders Re-burnt. in Funnel.	Tempera- ture in Funnel.	Draught in Funnel.	REMARKS on the Quality and Suitability of the Coal for the Service.
				Clinker.	Ash.							
Land Engine	Top Hard (Booth Brothers)	7.13	230.37	1.95	1.70	3.65	30.27	7.	26	698	In.	Quick burning, but evaporation per lb. of fuel low. Average quality. Good and fit for the Service.
	ditto	7.04	227.26	1.95	1.70	3.65	31.70	7	29	695	In.	
	ditto	6.98	227.46	1.95	1.61	3.56	30.82	7	25	726	In.	
	Annesley Colliery (Stephenson, Clarke, & Co.).	6.96	224.01	3.74	2.12	5.86	31.11	7	27	800	In.	
	ditto	7.03	229.98	3.23	2.04	5.27	31.70	8	27	780	In.	
Steam Vessel (Welsh)	ditto	6.01	227.07	3.23	1.95	5.18	31.11	8	28	805	In.	Evaporation per lb. of fuel very good. Good and fit for the Service.
	Fothergill's Aberdare (Stephenson, Clarke, & Co.).	9.32	228.03	2.81	2.72	5.53	24.00	9	35	728	In.	
	Powell Duffryn (Powell Duffryn Company).	9.50	220.55	2.55	2.98	5.53	23.01	9	38	732	In.	
	Wigan Hartley (Pearson & Knowles).	7.89	239.18	2.04	1.70	3.74	31.40	8	36	722	In.	
	ditto	7.36	246.81	2.80	1.87	4.67	31.70	8	36	870	In.	
Steam Vessel (North Country).	ditto	7.51	243.47	2.12	1.78	3.90	30.82	8	37	832	In.	Evaporation per lb. of fuel fair. Average quality. Good and fit for the Service.
	Cowpen Cambels Hartley (Cowpen and North Seaton Coal Company).	7.67	239.18	2.47	2.04	4.51	30.00	8	34	835	In.	
	ditto	7.75	242.41	2.21	1.95	4.16	29.73	8	38	825	In.	
	ditto											

Length of Fire-grate used in the above trials = 4 feet. Common Fire-bars, 4-inch spaces.

PORTSMOUTH YARD—*continued.*STATEMENT showing the Results of Tests of Land Engine and Steam Vessel Coal, &c.—*continued.*

DESCRIPTION OF C O A L.	Name of Coal, and from what Contractor Received.	R E M A R K S on the Quality and Suitability of the Coal for the Service.
Smithery (North Country) -	Tanfield Moor (James Joicey & Co.).	Average quality. Good and fit for the Service.
Gas Coke - - - -	Portsea Island (Gas Light Company).	Good and fit for the Service.
Coke Coal - - - -	James Joicey & Co. - -	- - ditto - - ditto.
Household - - - -	Tapston Silkstone (Booth Brothers).	- - ditto - - ditto.

Forwarded in accordance with Admiralty Letter, S. T., 28th April 1869.

W. B. Robinson,
Chief Constructor.

Wm. Hy. Steil,
Chief Engineer.

To the Admiral Superintendent.

1 April 1875.

Forwarded,

F. L. McClintock,
Admiral Superintendent.

To the Secretary of the Admiralty,
Naval Store Branch.

KEYHAM YARD.

(H.—No. 76.)

24 April 1875.

A STATEMENT showing the Results of Tests of Land Engine and Steam Vessel Coal, with Remarks on the Quality and Suitability for the Service of these and other Descriptions of Coal Consumed during the Three Months ending 31st March 1876.

DESCRIPTION OF COAL.	Name of Coal, and from what Contractor Received.	Number of Lbs. of Water Evaporated by One Lb. of Coal, calculated from the Temperature of 100°.	Number of Lbs. of Water Evaporated per Square Foot of Fire-grate per Hour, calculated from the Temperature of 100°.	Per-centage of Clinker and Ash.			Smoke.	REMARKS on the Quality and Suitability of the Coal for the Service.
				Clinker.	Ash.	Total.		
Land Engine - -	Premier Steam (Aston Hall Coal Company).	7.1	157.4	5.53	4.13	9.66	Black -	Good and fit for the Service, but has a large per-centage of ash and clinker.
	Lambton Wear (J. Reay).	7.56	146.8	4.31	3.42	7.73	Black -	- ditto - - ditto.
	Ditto - - - -	8.09	134.9	5.25	4.26	9.51	Black -	
	Ditto - - - -	7.51	149.4	4.15	3.85	8.00	Black -	
Steam Vessel (Welsh)	Bowers West Hartley (Lambert Brothers & Scott).	6.84	156.0	3.67	3.3	6.97	Black -	Good and fit for the Service.
	Fothergill's Aberdare (Stephenson, Clarke, & Co.).	9.33	164.7	2.56	3.15	5.71	Light -	- ditto - - ditto.
	Ditto - - - -	9.14	166.5	2.94	3.97	6.91	Light -	
	Cowpen Hartley (J. Fothergill).	6.9	146.4	2.53	3.42	5.95	Black -	Good and fit for the Service, but rather slow.

DESCRIPTION OF COAL.	Name of Coal, and from what Contractor Received.	REMARKS on the Quality and Suitability of the Coal for the Service.
Smithery - - -	Lambton's Smithery (J. Holden & Co.).	Clean, free from sulphur, and fit for the Service.
	Tanfield Moor (J. Joicey & Co.).	- - ditto - - ditto.
	Cowpen Hartley (J. Fothergill).	Unscreened; has been used in the steam-hammer furnaces of the factory, and found suitable for the work.
	Lambton Wear (J. Reay) -	Unscreened; has been used in the steam-hammer factories of the Dockyard, and found suitable for the work.
Gas Coke - - -	Gas Coke (Devonport Gas and Coke Company).	Has been used in the foundries for drying purposes, and in the smitheries, and found good and fit for the Service.
Coked Coal - - -	Tanfield Moor (J. Joicey & Co.).	Has been used in the foundries and coppersmith's shop, and found clean, free from impurities, and fit for the Service.
Household - - -	Rhos Llanwit (Stephenson, Clarke, & Co.).	Good and fit for the Service.
	Powell's Energlyn (Gillespy & Scott).	- - ditto - - ditto.

Fowarded in accordance with Admiralty Letter, S. T., 28th April 1869.

A. Moore,
Chief Constructor.

J. Trickett,
Chief Engineer.

To the Admiral Superintendent.

24 April 1875.

Forwarded,

W. King Hall,
Admiral Superintendent.

To the Secretary of the Admiralty,
Naval Store Branch.

PEMBROKE YARD.

(H.—No. 76.)

14 April 1875.

A STATEMENT showing the Results of Tests of Land Engine and Steam Vessel Coal, with Remarks on the Quality and Suitability for the Service of these and other Descriptions of Coals Consumed during the Three Months ending 31st March 1875.

DESCRIPTION OF COAL.	Name of Coal, and from what Contractor Received.	Number of Lbs. of Water Evaporated by One Lb. of Coal, calculated from the Temperature of 100°.	Number of Lbs. of Water Evaporated per Square Foot of Fire-grate per Hour, calculated from the Temperature of 100°.	Per-centage of Clinker and Ash.			Smoke.	REMARKS. on the Quality and Suitability of the Coal for the Service.
				Clinker.	Ash.	Total.		
Land Engine - -	Birch Rock, P. & T. Rail- way (J. Smedley).	7·9	81·3	4·95	4·0	8·95	Smoke, very little; colour, light brown, and lasts from 20 to 30 se- conds after mode- rate firing.	Of good quality, well adapted for steaming purposes, and suit- able for Her Majesty's Service.

DESCRIPTION OF COAL.	Name of Coal, and from what Contractor Received.	REMARKS on the Quality and Suitability of the Coal for the Service.
Smithery - - - -	Glamorgan Thro' and Thro' and Smithery Small from the Glamorgan Coal Com- pany (Limited). Not any has been delivered during this quarter.	The coals consumed during this quarter were well adapted for smiths' use, possessing strong heat- ing qualities, free from delch and dirt, and in every respect good and fit for the Service.

Forwarded in accordance with Admiralty Letter, S. T., 28th April 1869.

F. Martin,
Chief Constructor.

To the Captain Superintendent.

Forwarded,

14 April 1875.

R. V. Hamilton,
Superintendent.

To the Secretary,
Naval Store Branch.

CHATHAM YARD.

(H.—No. 76.)

16 July 1875.

A STATEMENT showing the Results of Tests of Land Engine and Steam Vessel Coal, with Remarks on the Quality and Suitability for the Service of these and other Descriptions of Coal Consumed during the Three Months ending 30th June 1875.

DESCRIPTION OF COAL.	Name of Coal, and from what Contractor Received.	Number of Lbs. of Water Evaporated by One Lb. of Coal, calculated from the Temperature of 100°.	Number of Lbs. of Water Evaporated per Square Foot of Fire-grate per Hour, calculated from the Temperature of 100°.	Per-centage of Clinker and Ash.			Smoke.	REMARKS on the Quality and Suitability of the Coal for the Service.
				Clinker.	Ash.	Total.		
Land Engine - -	Annesley Butterley Hards (Stephenson, Clarke, & Co.).	6.89	102.7	2.69	6.96	9.65	1.4	Good and fit for the Service
	Cowpen Hartley (J. Fothergill).	8.16	91.04	3.79	5.59	9.37	1.3	Good and fit for the Service.
Metal Mills (Chatham)	Cowpen Hartley (J. Fothergill).	8.16	91.04	3.79	5.59	9.37	1.3	Good and fit for metal mill purposes.

DESCRIPTION OF COAL.	Name of Coal, and from what Contractor Received.	REMARKS on the Quality and Suitability of the Coal for the Service.
Smithery - - - -	Annesley Butterley Hards (Stephenson, Clarke, & Co.).	Used for furnaces. Good and fit for the Service.
	Tanfield Moor (J. Joicey & Co.).	Used for forges. Good and fit for the Service.
Gas Coke - - - -	Gas Coke (Simon Magnus & Co.).	Used for airing and drying in foundries. Good and fit for the Service.
Coked Coal - - - -	Tanfield Moor (J. Joicey & Co.).	Used in foundries and coppersmith's shop. Good and fit for the Service.
Household - - - -	New Bottle Wallsend, (W. Cory & Son).	Good and suitable for domestic purposes.

Forwarded in accordance with Admiralty Letter, S. T., 28th April 1869.

R. P. Saunders,
Chief Constructor.

W. Eames,
Chief Engineer.

To the Captain Superintendent.

16 July 1875.

Forwarded,

Charles Fellowes,
Captain Superintendent.

To the Secretary of the Admiralty,
Naval Store Branch.

SHEERNESS YARD.

(H.—No. 76.)

3 July 1875.

A STATEMENT showing the Results of Tests of Land Engine and Steam Vessel Coal, with Remarks on the Quality and Suitability for the Service of these and other Descriptions of Coal consumed during the Three Months ending 30th June 1875.

DESCRIPTION OF COAL	Name of Coal, and from what Contractor Received.	Number of Lbs. of Water Evaporated by One lb. of Coal, calculated from the Temperature of 100°.	Number of Lbs. of Water Evaporated per Square Foot of Fire-grate per Hour, calculated from the Temperature of 100°.	Per-centage of Clinker and Ash.			Smoke.	REMARKS on the Quality and Suitability of the Coal for the Service.
				Clinker.	Ash.	Total.		
Land Engine - -	Shipley Annesley Butter- ley Hards (Stephenson, Clarke & Co.).	7·91	146·225	3·40	1·37	4·77	Small quantity of light brown smoke.	These coals burnt well, were of good quality, and suitable for the Service.
	Hard Steam (Booth Brothers).	- -	- -	-	-	-	-	Coals of this description have been used in the yard during the quarter; they have been found of good quality.
Steam Vessel (North Country).	Cowpen Hartley (The Cow- pen Hartley and North Seaton Coal Company).	8·16	143·528	4·32	1·23	5·55	Small quantity of light brown smoke.	These coals burnt well, were of good quality, and suitable for the Service. The coals consumed in the tugs attached to the port were as follows, and the engineers in charge report them of good steaming quality. Fothergill's Aber- } Mixed dare and Cowpen } in Hartley - - - } equal } quan- } tities.

DESCRIPTION OF COAL	Name of Coal, and from what Contractor Received.	REMARKS on the Quality and Suitability of the Coal for the Service.
Smithery - - - -	Tanfield Moor (J. Joicey & Co.).	Of good quality, and fit for the Service.
Gas Coke - - - -	Coke Gas (Sheppy Gas Com- pany).	
Coked Coal - - - -	Tanfield Moor (J. Joicey & Co.).	
Household - - - -	Castle Main (Booth Brothers).	

Forwarded in accordance with Admiralty Letter, S. T., 28th April 1869,

A. B. Sturdee,
Chief Constructor.

J. Paterson,
Chief Engineer.

To the Captain Superintendent.

Forwarded,

3rd July 1875.

F. A. C. Foley,
Captain Superintendent.

To the Secretary of the Admiralty,
Naval Store Branch.

P O R T S M O U T H Y A R D.

27 May 1876.

A STATEMENT showing the Results of Tests of Land Engine and Steam Vessel Coal, with Remarks on the Quality and Suitability for the Service of these and other Descriptions of Coal Consumed during the Three Months ending Wednesday, 30th June 1875.

DESCRIPTION OF COAL.	Name of Coal, and from what Contractor Received.	Number of Lbs. of Water Evaporated by One Lb. of Coal, calculated from the Temperature of 100°.	Per-centage of Clinker and Ash.		Smoke.	Number of Lbs. of Coal Burnt per Square Foot of Fire-grate per Hour.	Deposit of Soot.	Cinders Re-burnt.	Temperature in Funnel.	Draught in Funnel.	REMARKS on the Quality and Suitability of the Coal for the Service.	
			Clinker.	Ash.								
Land Engine	Capel Ifan Anthracite (Messrs. A. and C. Miller).	9.10	2.81	1.95	4.76	20.12	7	50	Degs. 660	Ins.	Evaporation per lb. of fuel very good. Slow burning. Per cent. of refuse fair. Good and fit for the Service.	
	* Ditto - - ditto	9.32	2.21	1.87	4.08	19.42	7	40	646	3 1/2		
	* Ditto - - ditto	9.30	1.53	2.38	3.91	19.20	7	50	632	3 1/2		
	Pentremaur Anthracite (Messrs. A. and C. Miller).	9.15	2.04	3.06	5.10	19.65	7	56	636	3 1/2		
	* Ditto - - ditto	9.23	2.21	2.72	4.93	20.49	7	47	650	3 1/2		
	* Ditto - - ditto	9.30	0.85	3.06	3.91	19.31	7	59	633	3 1/2		
	Top Hard Cobbles (Booth Brothers).	7.05	2.38	1.70	4.08	31.11	7	30	772	3 1/2		
	Ditto - - ditto	6.98	2.04	1.70	3.74	30.82	8	28	750	3 1/2		
	Ditto - - ditto	6.97	2.98	1.95	4.93	30.54	8	29	787	3 1/2		
	Ditto - - ditto	7.06	1.87	1.70	3.57	29.22	7	27	775	3 1/2		
Steam Vessel (Welsh)	Corwen Cambolis Hartley (Cowpen and North Seaton Coal Co.)	7.63	3.06	2.38	5.44	30.27	8	30	823	3 1/2	Evaporation per lb. of fuel low. Quick burning. Per cent. of refuse fair. Good and fit for the service.	
	+ Ditto - - ditto	7.70	2.81	2.47	5.28	31.70	8	32	820	3 1/2		
	Davis' Merthyr (D. Davis & Sons).	9.43	3.15	2.47	5.62	22.55	9	36	747	3 1/2		
	Ditto - - ditto	9.63	2.55	2.31	5.36	22.55	9	40	772	3 1/2		
	Crown Patent Fuel (Crown Preserved Coal Co.)	8.85	4.93	3.23	8.16	23.17	8	50	718	3 1/2		
	Cowpen Cambolis Hartley (Cowper and North Seaton Coal Co.)	7.84	1.87	1.70	3.57	30.27	8	37	843	3 1/2		
	Ditto - - ditto	7.80	2.21	1.87	4.08	30.82	8	34	853	3 1/2		
	Ditto - - ditto	7.56	2.21	1.87	4.08	30.00	8	38	842	3 1/2		
	Wigan Hartley (Pearson and Knowles).	7.66	1.95	1.70	3.65	30.27	8	51	835	3 1/2		
	Ditto - - ditto											

In all the above trials the length of fire-grate used was four feet and common wrought-iron fire-bars; the spaces (air) between the bars being 7-16ths of an inch in the trials of Anthracite Coals marked thus (*) and half-an-inch in all the other trials.

+ In this trial the smoke-consumers in the furnace doors were opened alternately after each firing.

PORTSMOUTH YARD—continued.

STATEMENT showing the Results of Tests of Land Engine and Steam Vessel Coal, &c.—continued.

DESCRIPTION OF COAL.	Name of Coal, and from what Contractor Received.	REMARKS on the Quality and Suitability of the Coals for the Service.
Smithery - - - -	Tanfield Moor (Jas. Joicey & Co.)	Average quality. Good and fit for the Service.
Gas Coke - - - -	Portsea Island Gas Light Company.	Good and fit for the Service.
Coked Coal - - - -	Tanfield Moor (Jas. Joicey & Co.)	Good and fit for the Service.
Household - - - -	Tapston Silkstone (Booth Brothers).	Good and fit for the Service.

Forwarded in accordance with Admiralty Letter, S. T., 28th April 1869.

To the Admiral Superintendent.

Wm. Hy. Steil, Engineer.

Forwarded,

27th May 1876.

F. L. McClintock,
Superintendent.

To the Secretary of the Admiralty,
Naval Store Branch.

KEYHAM YARD.

(H.—No. 76.)

16 July 1875.

A STATEMENT showing the Results of Tests of Land Engine and Steam Vessel Coal, with Remarks on the Quality and Suitability for the Service of these and other Descriptions of Coal consumed during the Three Months ending 30th June 1875.

DESCRIPTION OF COAL.	Name of Coal, and from what Contractor Received.	Number of Lbs. of Water Evaporated by One lb. of Coal, calculated from the Temperature of 100°.	Number of Lbs. of Water Evaporated per Square Foot of Fire-grate per Hour, calculated from the Temperature of 100°.	Per-centage of Clinker and Ash.			Smoke.	REMARKS on the Quality and Suitability of the Coal for the Service.
				Clinker.	Ash.	Total.		
Land Engine - -	Lambton Weir (Lambton Weir Coal Company).	7.56	146.8	4.31	3.42	7.73	Black -	Good and fit for the Service, but has rather a large percentage of ash and clinker.
	Ditto - ditto -	7.51	149.4	4.15	3.85	8.00	Black -	
	Westminster Brimbo (J. Holden & Co.).	6.55	116.8	7.75	6.67	14.42	Black -	Very inferior, the ash and clinker in yard engine boilers with the usual stoking, amount to from 16 to 20 per cent.
Steam Vessel (Welsh)	Fothergill's Aberdare -	9.33	164.7	2.56	3.15	5.71	Light -	Good and fit for the Service.
Steam Vessel (North Country).	Cowpen Hartley - -	6.9	146.4	2.53	3.42	5.95	Black -	Good and fit for the Service, but rather slow.

DESCRIPTION OF COAL.	Name of Coal, and from what Contractor Received.	REMARKS on the Quality and Suitability of the Coal for the Service.
Smithery - - -	Tanfield Moor Smithery (J. Joicey & Co.).	Clean, free from sulphur, and fit for the Service.
	Cowpen Hartley (T. Fothergill).	Unscreened; has been used in the steam-hammer furnaces of the factory, and found suitable for the work.
	Lambton Wear Steam (Lambton Wear Coal Company).	Unscreened; has been used in the steam-hammer furnaces of the dockyard, and found suitable for the work.
Gas Coke - - -	Gas Coke (Devonport Gas and Coke Company).	Has been used in the foundries for drying purposes, and in the smitheries, and found good and fit for the Service.
Coked Coal - - -	Tanfield Moor (J. Joicey & Co.).	Has been used in the foundries and coppersmith's shop, and found clean, free from impurities, and fit for the Service.
Household - - -	Rhos Llanwitt (Evinglyn, Gillespy, & Scott).	Good and fit for the Service.
	Rhos Llanwitt (Messrs. Stephenson, Clark, & Co.).	Good and fit for the Service.

Forwarded in accordance with Admiralty Letter, S. T., 28th April 1869.

A. Moore,
Chief Constructor.

Robt. Nicoll,
for Chief Engineer.

To the Admiral Superintendent.

Forwarded,

19th July 1875.

W. King Hall,
Admiral Superintendent.

To the Secretary of the Admiralty,
Naval Store Branch.

PEMBROKE YARD.

(H.—No. 76.)

14 July 1875.

A STATEMENT showing the Results of Tests of Land Engine and Steam Vessel Coal, with Remarks on the Quality and Suitability for the Service of these and other Descriptions of Coal Consumed during the Three Months ending 30th June 1875.

DESCRIPTION OF COAL.	Name of Coal, and from what Contractor Received.	Number of Lbs. of Water Evaporated by One Lb. of Coal, calculated from the Temperature of 100°.	Number of Lbs. of Water Evaporated per Square Foot of Fire-grate per Hour, calculated from the Temperature of 100°.	Per-centage of Clinker and Ash.			Smoke.	REMARKS on the Quality and Suitability of the Coal for the Service.
				Clinker.	Ash.	Total.		
Land Engine - -	Cefn Drym (Mr. J. Smedley, 21 tons delivered by rail).	8.5	85.19	2.9	5.0	7.9	Smoke very little; colour, light brown, and lasts from 20 to 30 seconds, after moderate firing.	Samples were tested in accordance with A. O., 7 Nov. 1872, and proved of good quality, well adapted for steaming purposes, and suitable for Her Majesty's Service.
	Ditto - ditto - -	8.12	86.0	4.2	2.5	6.7		
	Ditto - ditto - -	7.9	83.2	5.1	2.8	7.9		

DESCRIPTION OF COAL.	Name of Coal, and from what Contractor Received.	REMARKS on the Quality and Suitability of the Coal for the Service.
Smithery - - - -	Glamorgan, 151 tons of Thro'-and Thro', delivered by rail. 198 tons 14 cwt. of Thro'-and-Thro', delivered by sea during the quarter, from the Glamorgan Coal Company, Limited.	Samples in accordance with A. O., 7th November 1872, have been tested, and found of good quality, well adapted for smiths' use, possessing strong heating qualities, free from delch and dirt, and in every respect good and fit for the Service.
Coked Coal - - - -	Glamorgan Coal, baked into Coke. Not any delivered during the quarter.	The coke consumed this quarter was of good quality, well baked, sound, free from sulphur, and in every respect good and fit for the Service.

Forwarded in accordance with Admiralty Letter, S. T., 28th April 1869.

F. Martin,
Chief Constructor.

To the Captain Superintendent.

14 July 1875.

Forwarded,

R. V. Hamilton,
Superintendent.

To the Secretary of the Admiralty,
Naval Store Branch.

CHATHAM YARD.

(H.—No. 76.)

19 October 1875.

A STATEMENT showing the Results of Tests of Land Engine and Steam Vessel Coal, with Remarks on the Quality and Suitability for the Service of these and other Descriptions of Coal Consumed during the Three Months ending 30th September 1875.

DESCRIPTION OF COAL.	Name of Coal and from what Contractor Received.	Number of Lbs. of Water Evaporated by One Lb. of Coal, calculated from the Temperature of 100°.	Number of Lbs. of Water Evaporated per Square Foot of Fire-grate per Hour, calculated from the Temperature of 100°.	Per-centage of Clinker and Ash.			Smoke Scale 0 to 7.	REMARKS on the Quality and Suitability of the Coal for the Service.
				Clinker.	Ash.	Total.		
Land Engine - -	Annesley Butterley Hards (Stephenson, Clarke, & Co.).	7.16	105.	6.47	7.66	14.13	1.12	Good and fit for the Service.
	Cowpen Hartley (J. Fothergill & Co.).	- -	Vide below.	-	-	-	-	Good and fit for the service.
Metal Mills (Chatham)	Cowpen Hartley (J. Fothergill & Co.).	8.01	89.9	7.79	8.95	16.74	1.65	Good and suitable for metal mill purposes.

DESCRIPTION. OF COAL.	Name of Coal, and from what Contractor Received.	REMARKS on the Quality and Suitability of the Coal for the Service.
Smithery - - -	Cowpen Hartley (J. Fothergill & Co.).	Used for furnaces. Good and fit for the Service.
	Tanfield Moor (J. Joicey & Co.).	Used for forges. Good and fit for the Service.
Gas Coke - - -	Gas Coke (Simon Magnus & Co.).	Used for airing and drying in foundries. Good and fit for the Service.
Coked Coal - - -	Tanfield Moor (J. Joicey & Co.).	Used in foundries and coppersmith's shop. Good and fit for the Service.
Household - - -	New Bottle Wallsend (W. Cory & Sons).	Good and suitable for domestic purposes.

Forwarded in accordance with Admiralty Letter, S. T., 28th April 1869.

R. P. Saunders,
Chief Constructor.

W. Eames,
Chief Engineer.

To the Captain Superintendent.

19 October 1875.

Forwarded,

J. Clark Soady,
for Captain Superintendent (on leave).

To the Secretary of the Admiralty,
Naval Store Branch.

SHEERNESS YARD.

(H.—No. 76.)

5 October 1875.

A STATEMENT showing the Results of Tests of Land Engine and Steam Vessel Coal with Remarks on the Quality and Suitability for the Service of these and other Descriptions of Coal Consumed during the Three Months ending 30th September 1875.

DESCRIPTION OF COAL.	Name of Coal and from what Contractor Received.	Number of Lbs. of Water Evaporated by One Lb. of Coal, calculated from the Temperature of 100°.	Number of Lbs. of Water Evaporated per Square Foot of Fire-grate per Hour, calculated from the Temperature of 100°.	Per-centage of Clinker and Ash.			Smoke.	REMARKS on the Quality and Suitability of the Coal for the Service.
				Clinker.	Ash.	Total.		
Land Engine - -	Annesley Hards (Stephen- son, Clarke, & Co.).	8·03	116·620 (Mean of two trials.)	3·93	1·41	5·34	Light brown, small quantity.	These coals burnt well, were of good quality, and suitable for the Service.
	Hard Steam (Booth Bro- thers).	-	-	-	-	-	-	Coals of this description used in the yard boilers during the quarter, and they have been found of good quality.
Steam Vessel (Welsh)	Fothergill's Aberdare (Ste- phenson, Clarke, & Co.).	9·35	133·396	1·65	1·59	3·24	Light brown, small quantity.	These coals burnt well, were of good quality, and suitable for the Service.
	Powell's Duffryn (The Powell's Duffryn Steam Coal Company).	9·51	142·861	2·97	1·86	4·83		
Steam Vessel (North Country).	Cowpen Hartley (Cowpen and North Seaton Coal Company).	8·55	121·987	3·30	1·57	4·87	Dark brown, small quantity.	

The coals consumed in the tugs attached to this port were as follows, and the engineers in charge report them of good steaming quality :—

Powell's Duffryn,
Cowpen Hartley. }
Fothergill's Aberdare, } Mixed in equal quantities.
Cowpen Hartley. }

DESCRIPTION OF COAL.	Name of Coal, and from what Contractor Received.	REMARKS on the Quality and Suitability of the Coal for the Service.
Smithery - - - -	Tanfield Moor (J. Joicey & Co.)	Of good quality, and fit for the Service.
Gas Coke - - - -	Coke Gas (Sheppy Gas Com- pany).	
Coked Coal - - - -	Tanfield Moor (J. Joicey & Co.)	
Household - - - -	Castle Main (Booth Brothers)	

Forwarded in accordance with Admiralty Letter, S. T., 28th April 1869.

A. B. Sturdee,
Chief Constructor.

J. Paterson,
Chief Engineer.

To the Captain Superintendent.

5 October 1875.

Forwarded,

F. A. C. Foley,
Captain Superintendent.

To the Secretary of the Admiralty,
Naval Store Branch.

Steam Vessel (North Country).	Star Patent Fuel (H. Worms & Co., Cardiff).	8-77	216-16	5-95	3-91	9-86	- very light -	22-55	8	58	708	Evaporation per square foot of fire-grate, and per lb. of fuel, and rate of burning good. Percentage of refuse large, Good and fit for the Service.
	Ditto - - ditto † -	8-74	201-66	7-57	2-72	10-29	3	59-2	8	42	716	
	Ditto - - ditto † -	8-64	201-31	7-82	2-38	10-20	3	59-9	9	42	685	
	Cowpen Cambolis Hartley (Cowpen and North Seaton Coal Company).*	8-23	239-40	2-38	1-36	3-74	4	5-4	7	31	793	Evaporation per square foot of fire-grate, and rate of burning, very good. Evaporation per lb. of fuel good, Good and fit for the Service.

In the trials marked * the smoke consumers in the furnace doors were both kept fully open. In those marked † they were half opened alternately for three minutes after each firing. In all the other trials no such consumers were used.
Length of fire-grate = 4 feet in all the trials.

DESCRIPTION OF COAL	Name of Coal, and from what Contractor Received.	REMARKS on the Quality and Suitability of the Coal for the Service.	
Smithery - - - - -	Tanfield Moor (Jas. Joicey & Co.) -	Average quality. Good and fit for the Service.	
Gas Coke - - - - -	Portsea Island (Gas Light Company)	Good and fit for the Service.	
Coked Coal - - - - -	Weardale Best Coke (Weardale Iron and Coal Company), for "Vesuvius."	Good and fit for the Service.	
	Tanfield Moor (Jas. Joicey & Co.), for Foundries.	Good and fit for the Service.	

Forwarded in accordance with Admiralty Letter, S. T., 28th April 1869.

W. B. Robinson, Chief Constructor.
W. H. Steil, Chief Engineer.

To the Superintendent.

8th October 1875.

Forwarded,

F. L. McClintock, Admiral Superintendent.

To the Secretary of the Admiralty,
Naval Store Branch.

KEYHAM YARD.

(H.—No. 76.)

10 November 1875.

A STATEMENT showing the Results of Tests of Land Engine and Steam Vessel Coal, with Remarks on the Quality and Suitability for the Service of these and other Descriptions of Coal Consumed during the Three Months ending 30th September 1875.

DESCRIPTION OF COAL.	Name of Coal, and from what Contractor Received.	Number of Lbs. of Water Evaporated by One Lb. of Coal, calculated from the Temperature of 100°.	Number of Lbs. of Water Evaporated per Square Foot of Fire-grate per Hour calculated from the Temperature of 100°.	Per-centage of Clinker and Ash.			Smoke.	REMARKS. on the Quality and Suitability of the Coal for the Service.
				Clinker.	Ash.	Total.		
Land Engine - -	Lambton Wear, Lambton Wear Coal Company (J. Reay).	7.51	149.4	4.15	3.85	8.0	Black	Good and fit for the Service, but has rather a large per-centage of ash and clinker.
	Westminster Brimbo (J. Holden & Co.).	6.55	116.8	7.75	6.67	14.42	"	Very inferior. The ash and clinker in yard engine boilers, with the usual amount of stoking, amount to from 16 to 20 per cent.
	Waynes Merthyr (Hickie Borman & Co.).- -	9.60	164.9	2.63	3.57	6.20	Light	} Good and fit for the Service.
		9.19	164.9	3.40	3.50	6.90	"	
		9.35	167.5	2.94	3.70	6.64	"	
Steam Vessel (Welsh)	Cory's Merthyr (Cory Brothers & Co.).- -	9.53	163.0	2.7	3.72	6.42	"	} Good and fit for the Service. The results both as regards the evaporative power, and the rapidity of evaporation are very good.
		9.82	152.05	2.62	4.15	6.77	"	
		9.21	187.60	1.88	4.41	6.29	"	
	Ocean, Merthyr (Thomas & Riches) - - -	9.37	149.07	3.14	4.26	7.4	"	} Good and fit for the Service. The rate of evaporation is rather slow.
		9.09	163.00	3.18	3.42	6.6	"	
		8.90	136.80	3.45	5.18	8.63	"	
		9.12	149.90	4.46	3.31	7.77	"	
Steam Vessel North (Country).	Cowpen Hartley (J. Fother- gill).	6.75	155.7	2.33	2.48	4.81	Black	Good and fit for the Service.

DESCRIPTION OF COAL.	Name of Coal, and from what Contractor Received.	REMARKS on the Quality and Suitability of the Coal for the Service.
Smithery - - - -	Tanfield Moor Smithery (J. Joicey & Co.).	} Good and fit for the Service.
Gas Coke - - - -	Gas Coke (Devonport Gas and Coke Company).	
Coked Coal - - - -	Tanfield Moor (J. Joicey & Co.).	
Household - - - -	Rhos Llanwitt Evinglyn (Gal- lespy and Scott). Rhos Llanwitt (Messrs. Stephen- son, Clark & Co.).	

Forwarded in accordance with Admiralty Letter, S. T., 28th April 1869.

A. Moore,
Chief Constructor.
J. Trickett,
Chief Engineer.

To the Admiral Superintendent.

20th April 1875.

Forwarded,

William C. Chamberlain,
Admiral Superintendent.

To the Secretary of the Admiralty,
Naval Store Branch.

PEMBROKE YARD.

(H.—No. 76.)

15 October 1875.

A STATEMENT showing the Results of Tests of Land Engine and Steam Vessel Coal, with Remarks on the Quality and Suitability for the Service of these and other Descriptions of Coal Consumed during the Three Months ending 30th September 1875.

DESCRIPTION OF COAL.	Name of Coal, and from what Contractor Received.	Number of Lbs. of Water Evaporated by One Lb. of Coal, calculated from the Temperature of 100°.	Number of Lbs. of Water Evaporated per Square Foot of Fire-grate per Hour, calculated from the Temperature of 100°.	Per-centage of Clinker and Ash.			Smoke.	REMARKS on the Quality and Suitability of the Coal for the Service.
				Clinker.	Ash.	Total.		
Land Engine - -	Birch Rocks (Mr. J. Smedley).	8.25	87.0	4.3	2.4	6.7	Very little; colour, light brown; and lasts from 20 to 30 seconds after moderate firing.	Samples were tested in accordance with A. O. 7th November 1872, and proved of good quality, well adapted for steaming purposes, and suitable for Her Majesty's Service.
	146 tons 18 cwt. delivered by rail.	7.8	84.8	4.8	3.2	8.0		

DESCRIPTION OF COAL.	Name of Coal, and from what Contractor Received.	REMARKS on the Quality and Suitability of the Coal for the Service.
Smithery - - -	Rhondda, No. 3 Vein, small (Troedyrhiw Coal Company); 779½ tons delivered by sea. Glamorgan "Thro and Thro" (Glamorgan Coal Company); 887 tons 19 cwt., delivered by rail, and 1,271 tons 4 cwt. by sea.	Samples in accordance with A. O. 7th November 1872, have been tested and found of good quality, well adapted for smiths' use, possessing strong heating qualities, free from delch and dirt, and in every respect good and fit for the Service.
Coked Coal - - -	Glamorgan Coal, baked into coke (Glamorgan Coal Company); 200 tons 12 cwt., delivered by rail, and 36 tons 6 cwt. by sea.	
Household - - -	Messrs. Gillespy - - -	The coals coked were found of good quality, well baked, sound, free from dirt and sulphur, and in every respect good and fit for the Service. Well adapted for household purposes; of good quality and very free from dirt.

Forwarded in accordance with Admiralty Letter, S. T., 28th April 1869.

F. Martin,
Chief Constructor.

To the Captain Superintendent.

Forwarded,

15 October 1875.

R. V. Hamilton,
Superintendent.

To the Secretary of the Admiralty,
Naval Store Branch.

CHATHAM YARD.

(H.—No. 76.)

17 January 1876.

A STATEMENT showing the Results of Tests of Land Engine and Steam Vessel Coal, with Remarks on the Quality and Suitability for the Service of these and other Descriptions of Coal Consumed during the Three Months ending 31st December 1875.

DESCRIPTION OF COAL.	Name of Coal, and from what Contractor Received.	Number of Lbs. of Water Evaporated by One Lb. of Coal, calculated from the Temperature of 100°.	Number of Lbs. of Water Evaporated per Square Foot of Fire-grate per Hour, calculated from the Temperature of 100°.	Per-centage of Clinker and Ash.			Smoke Scale, 0 to 7.	REMARKS on the Quality and Suitability of the Coal for the Service.
				Clinker.	Ash.	Total.		
Land Engine - -	Lambley (Stephenson, Clarke, & Co.).	7.9	112.8	5.55	7.25	12.8	1.2	Good and fit for the Service.
	Annesley Buttery Hards (Stephenson, Clarke, & Co.).	7.38	103.65	4.73	5.89	10.6	1.4	- - ditto - - ditto.
Metal Mills (Chatham)	Cowpen Hartley (J. For- therrill & Co.).	8.28	103.4	7.07	6.22	13.29	1.2	Good and suitable for metal mill purposes, but a cargo of 375 tons per "Cornucopia," con- tained a large amount of clinker; some samples had 17 per cent. of ash and clinker.

DESCRIPTION OF COAL.	Name of Coal, and from what Contractor Received.	REMARKS on the Quality and Suitability of the Coal for the Service.
Smithery - - - -	Annesley Buttery Hards (Stephenson, Clarke, & Co.).	Used for furnaces. Good and fit for the Service.
	Tanfield Moor (J. Joicey & Co.).	Used for forges. Good and fit for the Service.
Gas Coke - - - -	Gas Coke (Simon Magnus & Co.).	Used for airing and drying in foundries. Good and fit for the Service.
Coked Coal - - - -	Tanfield Moor (J. Joicey & Co.).	Used in foundries and coppersmith's shop. Good and fit for the Service.
Household - - - -	New Bottle Wallsend (W. Cory & Sons.).	Good and fit for domestic purposes.

Forwarded in accordance with Admiralty Letter, S. T., 28th April 1869.

R. P. Saunders,
Chief Constructor.

W. Eames,
Chief Engineer.

To the Captain Superintendent.

Forwarded,

Charles Fellowes,
Captain Superintendent.

To the Secretary of the Admiralty,
Naval Store Branch

17 January 1876.

S H E E R N E S S Y A R D .

(H.—No. 76.)

6 January 1876.

A STATEMENT showing the Results of Tests of Land Engine and Steam Vessel Coal, with Remarks on the Quality and Suitability for the Service of these and other Descriptions of Coal consumed during the Three Months ending 31st December 1875.

DESCRIPTION OF C O A L .	Name of Coal, and from what Contractor Received.	Number of Lbs. of Water Evaporated by One Lb. of Coal, calculated from the Temperature of 100°.	Number of Lbs. of Water Evaporated per Square Foot of Fire-grate per Hour, calculated from the Temperature of 100°.	Per-centage of Clinker and Ash.			Smoke.	R E M A R K S on the Quality and Suitability of the Coal for the Service.
				Clinker.	Ash.	Total.		
Land Engine - -	Annesley Hards (Stephenson, Clarke & Co.).	8·73	200·927 (Mean of two trials.)	1·81	3·53	5·34	Light brown.	These coals burnt well, were of good quality, and suitable for the Service.
	Hard Steam (Booth Brothers).	-	-	-	-	-	-	Coals of this description used in the yard boilers during the quarter, and they have been found of good quality.
Steam Vessel (Welsh)	Powell's Duffryn (The Powell Duffryn Steam Coal Company).	10·288	184·784 (Mean of five trials.)	4·93	2·91	7·84	Scarcely visible.	These coals burnt well, were of good quality, and suitable for the Service.
	Fothergill's Aberdare (Stephenson, Clarke & Co.).	9·81	181·065	2·86	3·82	6·68	Light brown, small quantity.	
Steam Vessel (North Country).	Cowpen Hartley (The Cowpen and North Sea-ton Coal Company).	9·40	204·527	1·73	2·11	3·84	Dark brown small quantity.	

The coals consumed in the tugs attached to this port were as follows, and the engineers in charge report them of good steaming quality : —

Powell's Duffryn, Cowpen Hartley.	} Mixed in equal quantities.
Fothergill's Aberdare, Cowpen Hartley.	

DESCRIPTION OF C O A L ,	Name of Coal, and from what Contractor Received.	R E M A R K S on the Quality and Suitability of the Coal for the Service.
Smithery - - - -	Tanfield Moor (J. Joicey & Co.)	} Of good quality, and fit for the Service.
Gas Coke - - - -	Coke Gas (Sheppy Gas Com-pany).	
Coked Coal - - - -	Fairfield Moor (J. Joicey & Co.)	
Household - - - -	Castle Main (Booth Brothers)	

Forwarded in accordance with Admiralty Letter, S. T., 28th April 1869.

A. B. Sturdee,
Chief Constructor.

J. Paterson,
Chief Engineer.

To the Captain Superintendent. _____

Forwarded,

F. A. Foley,
Captain Superintendent.

To the Secretary of the Admiralty,
Naval Store Branch.

PORTSMOUTH YARD.

3 January 1876.

(H.—No. 76.)

A STATEMENT showing the Results of Tests of Land Engine and Steam Vessel Coal, with Remarks on the Quality and Suitability for the Service of these and other Descriptions of Coal consumed during the Three Months ending 31st December 1875.

DESCRIPTION OF COAL.	Name of Coal, and from what Contractor Received.	Number of Lbs. of Water Evaporated by One Lb. of Coal, calculated from the Temperature of 100°.	Number of Lbs. of Water Evaporated per Square Foot of Fire-grate per Hour, calculated from the Temperature of 100°.		Percentage of Clinker and Ash.		Smoke Numbers.		Number of Lbs. of Coal Burnt per Square Foot of Fire-grate per Hour.	Deposit of Soot.	Cinders Re- burnt.	Tempera- ture in Funnel.	Draught in Funnel.	REMARKS on the Quality and Suitability of the Coal for the Service.
			Clinker.	Ash.	Total.	Average.	Maximum.	Percentage of Time of no Smoke.						
Land Engine	Aberdare Coal (Stephenson, Clarke & Co.), ditto	9.40	231.56	2.04	1.53	3.57	1	12	25.26	8	56	750	In.	Evaporation per square foot of fire-grate and per lb. of fuel and rate of burning, very good. Good, and fit for the Service.
Steam Vessel (Welsh)	Ynysfaio (Merthyr Tydfid) Coal Company), ditto	9.57	229.20	2.21	1.53	3.74	1	13	24.35	8	55	737	3/8	
	ditto ditto ditto	9.70	230.94	1.53	1.70	3.23	3	66	23.83	9	38	742	3/8	
	ditto ditto ditto	9.55	233.34	2.55	2.04	4.59	1	36	24.52	9	35	734	3/8	Evaporation per square foot of fire-grate and rate of burning very good. Evaporation per lb. of fuel good. Good, and fit for the Service.
	ditto ditto ditto	9.52	235.80	2.81	4.93	1	2	90	24.35	9	39	745	3/8	
	ditto ditto ditto	9.60	236.23	2.55	1.95	4.50	1	65	24.52	9	40	744	3/8	
Steam Vessel (North Country).	Cowpen Cambois Hantley (Cowpen and North Seaton Coal Company),*	7.86	212.37	3.40	1.87	5.27	3	173	28.23	8	31	805	3/8	

* In this trial both smoke consumers were kept fully open, in all other trials no smoke consumers were used.
Length of fire-grate, 4 feet.

DESCRIPTION OF COAL.		Name of Coal, and from what Contractor Received.		REMARKS on the Quality and Suitability of the Coal for the Service.	
Smithery	-	Tanfield Moor (Jas. Joicey & Co.)	-	Average quality.	Good, and fit for the Service.
Gas Coke	-	Portsea Island (Gaslight Company)	-	Good, and fit for the Service.	
Coked Coal for Foundries	-	Tanfield Moor (Jas. Joicey & Co.)	-	-	ditto - ditto.

Forwarded in accordance with Admiralty Letter, S. T., 28th April 1869.

W. B. Robinson, Chief Constructor.
Wm. Henry Steel, Chief Engineer.

To the Admiral Superintendent.

To the Secretary of the Admiralty, Naval Store Branch.

Forwarded,

F. L. McClintock, Admiral Superintendent.

4 April 1876.

K E Y H A M Y A R D.

(H.—No. 76.)

19 April 1876.

A STATEMENT showing the Results of Tests of Land Engine and Steam Vessel Coal, with Remarks on the Quality and Suitability for the Service of these and other Descriptions of Coal consumed during the Three Months ending 30th December 1875.

DESCRIPTION OF C O A L.	Name of Coal, and from what Contractor Received.	Number of Lbs. of Water Evaporated by One Lb. of Coal, calculated from the Temperature of 100°.	Number of Lbs. of Water Evaporated per Square Foot of Fire-grate per Hour, calculated from the Temperature of 100°.	Per-centage of Clinker and Ash.			Smoke.	R E M A R K S on the Quality and Suitability of the Coal for the Service.
				Clinker.	Ash.	Total.		
Land Engine - -	Wayne's Merthyr (Hickie, Borman & Co.).	9.35	167.5	2.94	3.70	6.64	Light -	Good, and fit for the service.
	Lambton Wear, Lambton Wear Coal Company (J. Reay).	7.51	149.4	4.15	3.85	8.0	Black -	Good, and fit for the service, but has a large per-centage of ash and clinker.
	Westminster Brimbo -	6.55	116.8	7.75	6.67	14.42	Black -	Very inferior; the ash and clinker in yard engine boilers, with the usual amount of stoking, amount to from 16 to 20 per cent.
Steam Vessel (Welsh)	Cory's Merthyr (Cory Brothers & Co.).	8.99	162.35	2.75	3.72	6.47	Light -	Good, and fit for the service.
	Cory's Merthyr (Thomas & Riches).	9.29	144.60	2.90	4.60	7.50	Light -	
	Ynsfaio Troedyrhiw Coal Company, Cardiff.	8.74	156.63	2.34	2.79	5.13	Light -	
	Ocean Merthyr (Thomas & Riches).	9.12	149.9	4.46	3.31	7.77	Light -	
Steam Vessel (North Country).	Cowpen Hartley (J. Fother- gill).	7.68	146.42	3.50	3.90	7.40	Black -	

DESCRIPTION OF C O A L.	Name of Coal, and from what Contractor Received.	R E M A R K S on the Quality and Suitability of the Coal for the Service.
Smithery - - - -	Tanfield Moor Smithery (J. Joicey & Co.).	Good, and fit for the service.
Gas Coke - - - -	Gas Coke, Devonport (Gas and Coke Company).	
Coked Coal - - - -	Tanfield Moor (J. Joicey & Co.)	
Household - - - -	Rhos Llanwitt, Evinglyn - Rhos Llanwitt (Messrs. Stephen- son, Clarke & Co.).	

Forwarded in accordance with Admiralty Letter, S. T., 28th April 1869.

A. Moore,
Chief Constructor.

J. Trickett,
Chief Engineer.

24 January 1876.

Forwarded, calling attention to Report on Westminster Brimbo Coal.

William C. Chamberlain,
Admiral Superintendent.

To the Secretary of the Admiralty,
Naval Store Branch.

P E M B R O K E Y A R D .

(H.—No. 76.)

24 January 1876.

A STATEMENT showing the Results of Tests of Land Engine and Steam Vessel Coal, with Remarks on the Quality and Suitability for the Service of these and other Descriptions of Coal consumed during the Three Months ending 31st December 1875.

DESCRIPTION OF C O A L.	Name of Coal, and from what Contractor Received.	Number of Lbs. of Water Evaporated by One Lb. of Coal, calculated from the Temperature of 100°.	Number of Lbs. of Water Evaporated per Square Foot of Fire-grate per Hour, calculated from the Temperature of 100°.	Per-centage of Clinker and Ash.			Smoke.	R E M A R K S on the Quantity and Suitability of the Coal for the Service.
				Clinker.	Ash.	Total.		
Land Engine - -	Birch Rock (J. Smedley), (no land engine or steam vessel coal has been de- livered this quarter).	7·7	82·3	4·5	5·3	9·8	Smoke, very little; colour, brown, and lasts from 20 or 30 seconds after mo- derate firing.	This coal is of good quality, and well adapted for steam- ing purposes, but it is of a friable nature, and deterio- rates after exposure to the atmosphere.

DESCRIPTION OF C O A L.	Name of Coal, and from what Contractor Received.	R E M A R K S on the Quality and Suitability of the Coal for the Service.
Smithery - - - -	Rhondda, No. 3 Vein, 214 tons of smithery small, delivered by sea during the quarter from Tredyrhiew Coal Company.	Samples, in accordance with Admiralty Order, 7th November 1872, have been tested, and found of good quality, well adapted for smiths' use, and possessing strong heating qualities, free from delch and dirt, and in every respect good, and fit for the service.
Coked Coal - - - -	Glamorgan coal baked into coke (not any delivered during the quarter).	The coke consumed this quarter was of good quality, well baked, sound, free from sulphur, and in every respect good, and fit for the service.
Household - - - -	Messrs. Gillespy - - - -	After further trial this coal is found not so well adapted for household purposes as at first thought.

Forwarded in accordance with Admiralty Letter, S. T., 28th April 1869.

F. Martin,
Chief Constructor.

To the Captain Superintendent.

Forwarded,

R. V. Hamilton,
Superintendent.

To the Secretary of the Admiralty,
Naval Store Branch.

CHATHAM YARD.

20 April 1875.

A STATEMENT showing the Results of Tests of Land Engine and Steam Vessel Coal, with Remarks on the Quality and Suitability for the Service of these and other Descriptions of Coal consumed during the Three Months ending 31st March 1876.

DESCRIPTION OF COAL.	Name of Coal, and from what Contractor Received.	Number of Lbs. of Water Evaporated by One Lb. of Coal, calculated from the Temperature of 100°.	Number of Lbs. of Water Evaporated per Square Foot of Fire-grate per Hour, calculated from the Temperature of 100°.	Per-cenatge of Clinker and Ash.			Smoke.	REMARKS on the Quality and Suitability of the Coal for the Service.
				Clinker.	Ash.	Total.		
Land Engine - -	Annesley Butterly Hards (Stephenson, Clarke & Co.).	6·87	100·8	4·33	4·14	8·47	1·9	Good, and fit for the service.
Metal Mills (Chatham)	Cowpen Hartley (J. For- thergill).	8·14	107·8	3·78	3·99	7·77	1·5	Good, and suitable for the ser- vice.

DESCRIPTION OF COAL.	Name of Coal, and from what Contractor Received.	REMARKS on the Quality and Suitability of the Coal for the Service.
Smithery - - - -	Cowpen Hartley (Cowpen & North Seaton Company).	Used in the furnaces. Good, and fit for the ser- vice.
	Annesley Hard (Stephenson, Clarke & Co.).	
	Tanfield Moor (J. Joicey & Co.).	Used for forges. Good, and fit for the service.
Gas Coke - - - -	Gas Coke (Simon Magnus & Co.).	Used for airing and drying in foundries. Good, and fit for the service.
Coked Coal - - - -	Tanfield Moor (J. Joicey & Co.).	Used in foundries and coppersmiths' shops. Good, and fit for the service.
Household - - - -	New Battle Wallsend (W. Cory & Sons).	Good, and fit for domestic purposes.

Forwarded in accordance with Admiralty Letter, S. T., 28th April 1869,

R. P. Saunders,
Chief Constructor.

W. Eames,
Chief Engineer.

To the Captain Superintendent.

Forwarded,

20 April 1876.

Charles Fellowes,
Captain Superintendent.

To the Secretary of the Admiralty,
Naval Store Branch.

SHEERNESS YARD.

24 April 1876.

A STATEMENT showing the Results of Tests of Land Engine and Steam Vessel Coal, with Remarks on the Quality and Suitability for the Service of these and other Descriptions of Coal consumed during the Three Months ending 31st March 1876.

DESCRIPTION OF COAL.	Name of Coal, and from what Contractor Received.	Number of Lbs. of Water Evaporated by One Lb. of Coal, calculated from the Temperature of 100°.	Number of Lbs. of Water Evaporated per Square Foot of Fire-grate per Hour, calculated from the Temperature of 100°.	Per-centage of Clinker and Ash.			Smoke.	REMARKS on the Quality and Suitability of the Coal for the Service.
				Clinker.	Ash.	Total.		
Land Engine - -	Annesley Hards (Stephen- son, Clarke & Co.).	7·831	146·010	2·94	1·89	4·83	Small quantity, dark brown.	These coals burnt well, were of good quality, and suitable for the service.
	Hard Steam (Booth Brothers).	- - -	- - -	-	-	-	-	Coals of this description were used in the yard boilers during the quarter; they have been found of good quality.
Steam Vessel (Welsh)	Fothergill's Aberdare (Stephenson, Clarke & Co.).	9·638	157·851	4·26	3·38	7·64	Small quantity, light brown.	These coals burnt well, were of good quality, and suitable for the service.
Steam Vessel (North Country).	Cowpen Hartley (The Cowpen and North Seaton Coal Company).	7·78	144·592	2·02	1·54	3·56	Small quantity, dark brown.	
								The coals consumed in the tugs attached to this port were as follows, and the engineers in charge report them of good steaming quality.
Fothergill's Aberdare Cowpen Hartley Powell's Duffryn Cowpen Hartley								} Mixed in equal quan- tities.

DESCRIPTION OF COAL.	Name of Coal, and from what Contractor Received.	REMARKS on the Quality and Suitability of the Coal for the Service.
Smithery - - - -	Tanfield Moor (J. Joicey & Co.).	Of good quality, and fit for the service.
Gas Coke - - - -	Coke Gas (Sheppy Gas Com- pany).	
Coked Coal - - - -	Tanfield Moor (J. Joicey & Co.).	
Household - - - -	Castle Main (Booth Brothers)	

Forwarded in accordance with Admiralty Letter, S. T., 28th April 1869, and Chap. XV., page 180, of the General Instructions.

A. B. Sturdee,
Chief Constructor.
J. Paterson,
Chief Engineer.

To the Captain Superintendent.

Forwarded, 24 April 1876.

To the Secretary of the Admiralty,
Naval Store Branch.
F. A. Foley,
Captain Superintendent.

4 April 1876.

A STATEMENT showing the Results of Tests of Land Engine and Steam Vessel Coal, with Remarks on the Quality and Suitability for the Service of these and other Descriptions of Coal consumed during the Three Months ending Friday, 31st March 1876.

DESCRIPTION OF COAL.	Name of Coal, and from what Contractor Received	Number of Lbs. of Water Evaporated by One Lb. of Coal, calculated from the Temperature of 100°.	Number of Lbs. of Water Evaporated per Square Foot of Fire-grate per Hour, calculated from the Temperature of 100°.	Per-centage of Clinker and Ash.		Smoke Numbers.		Number of Lbs. of Coal Burnt per Square Foot of Fire-grate per Hour.	Deposit of Soot.	Cinders Re-burnt.	Temperature in Funnel.	Draught in Funnel.	REMARKS on the Quality and Suitability of the Coal for the Service.
				Clinker.	Ash.	Total.	Maximum.	Average.					
Land Engine	Aberdare (Stephenson, Clarke & Co.).	9.48	239.79	1.70	1.61	3.31	1	.62	26.05	8	70	720	Evaporation per lb. of fuel very good. Evaporation per square foot of fire-grate variable. Coals good, and fit for the service.
	Ditto - ditto	9.64	239.38	.85	1.53	2.38	2	.09	29.47	8	92	727	
	Ditto - ditto	9.46	211.22	1.44	2.55	3.99	1	.03	27.54	8	110	680	
	Ditto - ditto	9.57	228.80	2.47	1.87	4.34	1	.19	27.32	8	67	734	
	Ditto - ditto	9.51	208.20	2.12	1.70	3.82	1	.11	26.88	8	101	687	
Steam Vessel (Welsh)	Ocean Merthyr (Thomas & Riches).	9.30	229.20	2.21	1.87	4.08	1	.49	24.35	9	34	691	Evaporation per lb. of fuel and per square foot of fire-grate very good. Good, and fit for the service.
	Ditto - ditto	9.35	230.37	2.38	1.95	4.33	2	.42	23.66	9	33	702	
	Ynysfaio Merthyr (Troedyrhiw Coal Company).	9.59	232.36	2.12	1.70	3.82	1	.65	24.70	9	39	720	
	Ditto - ditto	9.51	232.56	1.87	1.70	3.57	2	.71	24.70	8	35	722	
	Ditto - ditto	9.44	234.38	1.70	2.12	3.82	2	.47	24.70	9	41	699	
Steam Vessel (North Country).	Ditto - ditto	9.50	227.61	1.95	2.04	3.99	2	.3	24.52	9	45	716	Evaporation per lb. of fuel and per square foot of fire-grate very good. Good, and fit for the service.
	* Ditto - ditto	9.59	225.51	1.70	2.38	4.08	2	.26	24.00	8	40	695	
	* Ditto - ditto	9.49	223.82	2.21	2.47	4.68	1	.13	23.66	9	41	701	
	* Ditto - ditto	9.41	221.59	2.55	2.30	4.85	1	.13	23.66	9	40	709	
	Cowpen Cambolis Hartley (Cowpen & North Seaton Coal Company).	8.07	242.18	2.55	2.04	4.59	2	.83	30.00	7	30	772	
Steam Vessel	Ditto - ditto	8.28	248.69	1.87	1.61	3.48	3	1.37	30.54	7	38	797	Evaporation per lb. of fuel good. Evaporation per square foot of fire-grate very good. Good, and fit for the service.
	Ditto - ditto	8.24	245.07	1.61	1.78	3.39	2	.62	29.47	7	35	780	
	Ditto - ditto	7.92	238.54	2.55	1.95	4.50	3	1.5	29.47	7	30	787	

Length of fire-grate used in all the trials = 4 feet: half-inch spaces between fire-bars.

* These trials were carried out with thin fires; all the rest with thick fires.

In the trials of "Cowpen Cambolis Hartley" both smoke consumers were kept fully open. No smoke consumers used in any other trials.

DESCRIPTION OF COAL.	Name of Coal, and from what Contractor Received.	REMARKS on the Quality and Suitability of the Coal for the Service.	
		Average quality.	Good, and fit for the service.
Smithery	-	-	-
Gas Coke	-	-	-
Tanfield Moor (James Joicey & Co.)	-	-	-
Portsea Island Gas Light Company	-	-	-

Forwarded in accordance with Admiralty Letter, S. T., 28th April 1869.

To the Admiral Superintendent.

W. B. Robinson, Chief Constructor.
Wm. Hy. Steil, Chief Engineer.

Forwarded,

To the Secretary of the Admiralty, Naval Store Branch.

F. L. McClintock, Admiral Superintendent.

4 April 1876.

KEYHAM YARD.

25 April 1876.

A STATEMENT showing the Results of Tests of Land Engine and Steam Vessel Coal, with Remarks on the Quality and Suitability for the Service of these and other Descriptions of Coal consumed during the Three Months ending 30th March 1876.

DESCRIPTION OF COAL.	Name of Coal, and from what Contractor Received.	Number of Lbs. of Water Evaporated by One Lb. of Coal, calculated from the Temperature of 100°.	Number of Lbs. of Water Evaporated per Square Foot of Fire-grate per Hour, calculated from the Temperature of 100°.	Per-centage of Clinker and Ash.			Smoke.	REMARKS on the Quality and Suitability of the Coal for the Service.
				Clinker.	Ash.	Total.		
Land Engine - -	Wayne's Merthyr (Hickie, Borman & Co.).	9·34	142·7	3·3	3·67	6·97	Light -	Received, 16 Feb. 1876. Good ; fit for the service.
	Lambton Wear (Lambton Wear Coal Company, J. Reay).	7·51	149·4	4·15	3·85	8·0	Black	Received, 2 March 1875. Good, and fit for the service ; but has a large per-centage of ash and clinker.
Steam Vessel (Welsh)	Cory's Merthyr (Cory Brothers & Co.).	9·15	147·2	2·85	3·68	6·53	Light -	Received, 3 Feb. 1876. Good, and fit for the service.
	Ynysfaio Troedyrhiw Coal Company, Cardiff.	8·74	156·63	2·34	2·79	5·13	" -	Received, 6 Dec. 1875. Good, and fit for the service.
	Fothergill's Aberdare (Ste- phenson, Clarke & Co.).	9·47	147·1	3·04	4·14	7·18	" -	Received, 20 April 1876. Good, and fit for the service.
	Hood's Merthyr (Glamor- gan Coal Company).	8·68	137·4	2·99	3·36	6·35	" -	Received, 10 April 1876. Good, and fit for the service.
	Dan's Ocean Merthyr (Thomas & Riches).	9·2	139·9	2·58	3·79	6·37	" -	Received, 14 Feb. 1876. Good, and fit for the service.
Steam Vessel (North Country).	Cowpen Hartley (J. Fo- thergill).	6·89	142·2	3·08	2·9	5·98	Black	Received, 31 March 1876. Good, and fit for the service.

DESCRIPTION OF COAL.	Name of Coal, and from what Contractor Received.	REMARKS on the Quality and Suitability of the Coal for the Service.
Smithery - - - -	Tanfield Moor Smithery (J. Joicey & Co.)	Received, 11 Nov. 1874
	No. 3, Rhondda, Small (Glamorgan Coal Company).	Received, 25 Oct. 1875
Gas Coke - - - -	Gas Coke (Devonport Gas and Coke Com- pany).	Good, and fit for the service.
Coked Coal - - - -	Tanfield Moor (J. Joicey & Co.) - -	Received, 11 Nov. 1875
	Patent Foundry (Glamorgan Coal Com- pany).	Received, 25 Oct. 1875
Household - - - -	Rhos Llanwit (Messrs. Stephenson, Clarke & Co.).	Received, 29 July 1873. Good, and fit for the service.

Forwarded in accordance with Admiralty Letter, S. T., 28th April 1869.

A. Moore,
Chief Constructor.
J. Trickett,
Chief Engineer.

To the Admiral Superintendent.

26 April 1876.

Forwarded,
George O. Willes,
Acting Admiral Superintendent.

To the Secretary of the Admiralty,
Naval Store Branch.

PEMBROKE YARD.

22 April 1876.

A STATEMENT showing the Results of Tests of Land Engine and Steam Vessel Coal, with Remarks on the Quality and Suitability for the Service of these and other Descriptions of Coal consumed during the Three Months ending 31st March 1876.

DESCRIPTION OF COAL.	Name of Coal, and from what Contractor Received.	Number of Lbs. of Water Evaporated by One Lb. of Coal, calculated from the Temperature of 100°.	Number of Lbs. of Water Evaporated per Square Foot of Fire-grate per Hour, calculated from the Temperature of 100°.	Per-centage of Clinker and Ash.			Smoke.	REMARKS on the Quality and Suitability of the Coal for the Service.
				Clinker.	Ash.	Total.		
Land Engine - -	Birch Rock (J. Smedley, received 7 Sept. 1875). (No Land Engine or Steam Vessel's coal has been delivered this quarter.)	7·3	80	4·75	5·6	10·95	Smoke, very little; colour, brown, and lasts from 20 to 30 se- conds after moderate firing.	This coal is of good quality, and well adapted for steaming purposes; but it is of a friable nature, and deteriorates after exposure to the atmo- sphere.

DESCRIPTION OF COAL.	Name of Coal, and from what Contractor Received.	REMARKS on the Quality and Suitability of the Coal for the Service.
Smithery - - - -	Rhondda, No. 3 Vein, 298 tons 9 cwt. of Smithery Small delivered by sea on the 8th, 11th, and 16th February, and 7 tons 11 cwt. by rail on the 16th February, from the Tredyriew Coal Com- pany.	Samples in accordance with Admiralty Order of 7th November 1872, have been tested and found of good quality, well adapted for smiths' use, and possessing strong heating qualities, free from delch and dirt, and in every respect good and fit for the service.
Coked Coal - - - -	Glamorgan coal baked into coke, received on 21st Sep- tember 1875. (Not any re- ceived during this quarter.)	The coke consumed this quarter was of good quality, well baked, sound, free from sulphur, and in every respect good, and fit for the ser- vice.

Forwarded in accordance with Admiralty Letter, S. T., 28th April 1869, and Article 6, page 180, of the "General Instructions."

T. Sutton,
For Chief Constructor (on leave).

To the Captain Superintendent.

22 April 1876.

Forwarded,

R. V. Hamilton,
Superintendent.

To the Secretary of the Admiralty,
Naval Store Branch.

